Fight 3 E, Stage: 1, Problem No. 12 Worm, Paul Rep: Slovak YPT H. Hepe & App: Germany Rosenheim Q. K. Rev: Gymnasium Freistadt A. Perepaday REPORT **DISCUSSION WITH OPPONENT** ANSWERS TO JURY, relevant comparison between phenomenon OPPONENT, and reporter's theory/model own contribution task fulfilment science communication relevant experiments theory and experiment explanation conduct at the arguments/responses **REVIEWER'S QUESTIONS** almost no discussion almost no too few no/almost no others' data, incorrectly cited misunderstood unclear, chaotic some too few poor some some some review of sources, cited partly partly clear concise and correct or fair some aspects fine fair] fair not well fitting some some own input average / average no questions asked well performe deviations some aspects some parts many good good good + some interesting result qualitatively analyse some incorrect. sufficient number well done above average + data/theory ome aspects inconclusive or too long detailed quite detailed. + results explained + theory limits considerable experimental interesting overall clear, convincingly supported efficient demonstrative correct errors analysed explained, conclusive or theoretical solution demonstrative deeply incorrect or show proved deep deep and comprehensible, detailed, complex. + reproducible. well fitting, deviations considerable experimental greater extent + complex concepts well deep misconceptions overall efficient understanding shows physical insight completely testable convincing analysis analysed, conclusive and theoretical than expected communicated NOTES: TO FEG (BYU) **OPPONENT OUESTIONS ASKED** OPPOSITION (SPEECH) **DISCUSSION WITH REPORTER** ANSWERS TO JURY and too few, mostly irrelevant understanding of relevant topics own opinions time relevant own opinions opponent's conduct of REVIEWER'S QUESTIONS prioritisation prioritisation presentation addressed presented Orelevant, aimed at resolving management scientific topics presented the discussion concise and correct or almost nothing no or irrelevant too few no poor almost no too few poor undear points in the report no no questions asked few some & some nain points some reasonable some some aspects fine few some • + short, apt and clear, well some incorrect, main points reasonable some some correct fair some ^ good X some correct reasonable prioritized, all time used inconclusive or too long all relevant points some aspects efficient many many correct fair efficient good many correct fair deeply incorrect or show NOTES: + improvement + improvement new crucial practically all practically all points very good overall efficient very good deep misconceptions suggestions all time used point(s) suggestions Some mis conception REVIEWER Start from 1 and add/subtract **REVIEW OF OPPOSITION QUESTIONS ASKED** REVIEW OF REPORT **DISCUSSION ANALYSIS** MISSED POINTS **ANSWERS TO JURY** too few, mostly irrelevant report evaluation discussion correct own POINTED OUT QUESTIONS speech pros & cons prioritisation pros & cons prioritisation & understanding evaluation opinions evaluation concise and correct or relevant, meant to clarify unclear points irrelevant too few poor/wrong irrelevant almost no no poor/wrong irrelevant no questions asked + suitably allotted to Rep & Opp, short/long partial X partially relevant some some tro-short/long partially relevant some none some incorrect, most time used relevant parts many informative, apt good mostly adequate reasonable Mostly adequate reasonable inconclusive or too long + short, apt and clear, well prioritized. relevant, fully accurate. deeply incorrect or show detailed, fully condensed & time managed efficiently fully constructive good good conclusive adequate complex adequate adequate deep misconceptions accurate NOTES: too penevic

IYPT - March 2019

SCORESHEET

REPORTER

Start from 1 and add/subtract

	rom 1 and add/subtr	act	M64733	Fight 3 E, Stage: 1,	Problem No	12 sig	an A	_ +	Klingenböck, Anna Maria
1 + 4,5 + 2,5.	-0 =	Ö	画談(Rep: Slovak YPT			osenheim Quin n Re	v: Gymnasium Fr	reistadt Alna P.
REPORT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	awn contribution	task fulfilment	science communication	DISCUSSION WITH (OPPONENT reporter's conduct at the	ANSWERS TO JURY, OPPONENT, and
almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	arguments/respon	discussion	REVIEWER'S QUESTIONS
some	some	some	some	review of sources, cited	partly	partly clear	too few	poor	concise and correct or
fair	fair	fair	not well fitting	some own input	average	average	some	some aspects fine	no questions asked
good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	many + data/theory	good some aspects	some incorrect,
detailed)	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	Considerable experimental	interesting solution	overall clear, demonstrative	Convincingly suppor		deeply incorrect or show
deep and comprehensible, of shows physical insight		+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	g proved deep understanding	overall efficient	deep misconceptions
- missing p OPPONENT Start for 1 + 0,5 + 1,5 +	aramelers rom 1 and add/subtr		٥	pyroscope			not ophin + other an	swets very s	ular good (with dola!)
QUESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving	g pres	tanding of releva	nt topics own opinion ressed presented	prioritisation managem	ent scien	ON WITH REPORTER elevant own opin ntific topics present	ed the discussion	prioritisation	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or
1 1 unclear points in the report			relevant too few	no poor	-	most no too fev		no	no questions asked
+ short, apt and clear, well		1	ew some ome X some corre	ct reasonable reasonab	h	few some some X some cor		ne some	some incorrect,
prioritized, all time used	6 P		any many corre		- Z	some X some cor good many cor		A	inconclusive or too long
IOTES:	3		cally all + improvement suggestion	ent very good +	3 ne	w crucial + improve point(s) suggestion	ment overall efficier		deeply incorrect or show deep misconceptions
REVIEWER Start fr	rom 1 and add/subtra		wary		+ 900 + in	od question di	us 'scussion		
1 + 1 + 2 +	2+	1) ± 0) -	0=7						
QUESTIONS ASKED too few, mostly irrelevant relevant, meant to clarify u **suitably allotted to Rep & most time used **short, apt and clear, well time managed efficiently	onclear points 0	V 1.	pros & cons prioriti irrelevant no artially relevant son nostly adequate fully adequate 800	evaluation poor/wrong too short/long nable informative, apt condensed &		no discovered to some 1 Xrelet	scussion correct own opinions most no too few short/long want parts courate, inclusive adequate	MISSED POINTS POINTED OUT irrelevant none relevant, constructive	ANSWERS TO JURY QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
NOTES: - Shorter	Questions		- 90	od summary					IYPT – March 20:

SCORESHEET

REPORTER

REPORTER

Start from 1 and add/subtract



Fight 3 E, Stage: 1, Problem No.

Poier, Peter

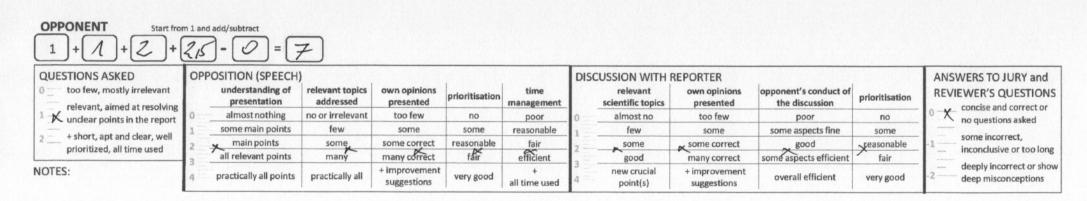
Rep: Slovak YPT

Opp: Germany Rosenheim

Rev: Gymnasium Freistadt

EPORT							DISC	CUSSION WITH OPP	ONENT	ANSWERS TO JURY,
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication		relevant arguments/responses	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTIONS
almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic		arguments/responses	discussion	REVIEWER 3 QUESTIONS
some	some	some	some	review of sources, cited	partly	partly clear	0	too few	poor	v concise and correct or
fair	fair	fair	not well fitting	some own input	average	average	_	some	some aspects fine	no questions asked
good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done		many + data/theory	good ∡ some aspects	some incorrect,
detailed ✓ demonstrative	x quite detailed, correct	≯results explained errors analysed	x + theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	2	convincingly supported	efficient	inconclusive or too lor deeply incorrect or sho
deep and comprehensible, shows physical insight	ible, detailed, complex, + reproducible, well fitting, deviation	well fitting, deviations		greater extent than expected	+ complex concepts well communicated	3 —	proved deep understanding	overall efficient	deep misconceptions	

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1 + 1 + 15 + 15 +	() ± ()	- 0 =	5									
QUESTIONS ASKED	REVIEW OF REPO	ORT		REV	/IEW OF OPPO	SITION		DIS	CUSSION AN	ALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant relevant, meant to clarify unclear points	report evaluation & understanding	nros & cons	prioritisation		speech evaluation	pros & cons	prioritisation		discussion evaluation	correct own opinions		QUESTIONS concise and correct or
	poor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	0	Xalmost no	K too few	-1 irrelevant	no questions asked
1 X + suitably allotted to Rep & Opp, — most time used	1 partial	partially relevant	some	1	too short/long	partially relevant	some		too short/long	some	0 × none	some incorrect,
+ short, apt and clear, well prioritized,	2 good	mostly adequate	reasonable	2	informative, apt	mostly adequate	reasonable	-	relevant parts	many	relevent	inconclusive or too long
time managed efficiently	detailed, complex	fully adequate	good	3	condensed & accurate	fully adequate	good	2	accurate, condusive	fully adequate	relevant, constructive	deeply incorrect or show deep misconceptions

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DEV/IEWED

REPORTER Start $1 + 5,5 + 2,75$	from 1 and add/subtra	act 9		SCORESHE Fight 3 E, S Rep: Slova	Stage: 1, Prob	lem No		_sign	senhein	n Rev	- v: Gymnasium Fr	Schweitzer, Susanne
REPORT phenomenon explanation almost no some fair good detailed demonstrative deep and comprehensible, shows physical insight NOTES:	theory/model almost no some fair good duite detailed, correct detailed, complex, completely testable	relevant experiments too few some fair well performed, sufficient number + results explained errors analysed + reproducible, convincing analysis	some not well fitting deviations qualitatively analysed theory limits explained, conclusive well fitting, deviations	own contribution others' data, income review of source some own in the some interesting considerable expensions of theoretic considerable expensions and theoretic considerable expensions of the source of the sour	rectly cited misus so, cited apput a so so rectly cited apput a so rectly cite	a fulfilment understood partly average ne aspects ve average teresting solution ater extent n expected	science communication unclear, partly averaged well downsrall demons + complex cocommunication communication unclear, partly averaged with the complex cocommunication unclear the communication unclear	munication chaotic clear age parts done clear, drative encepts well	DISCUS arg	relevant guments/respons too few some many + data/theory vincingly-support proved-deep understanding	reporter's conduct at the discussion poor some aspects fine good some aspects	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
	prese almosi some m main all relev	N (SPEECH) tanding of relevientation trothing no or nain points n points vant points	ant topics own opinion presented irrelevant too few some some correctically all own opinion presented too few some some some correctically all own opinion presented too few some some correctically all own opinion presented too few some some correctically all own opinion presented too few some some correctically all own opinion presented too few some corrections.	no some t reasonable t fair	time management poor reasonable fair efficient + all time used	re scien 0 ali 1 2 3 nei	DN WITH RE elevant tific topics most no few some good w crucial oint(s)	eporter own opinion presented too few some some correc many correc + improveme suggestions	ct ct sc	pponent's conductive discussion poor some aspects fin good ome aspects efficient	no le some reasonable lient fair	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
REVIEWER 1 + 1 + 2 + 2 + 2 + 2 + 2 + 4 + 4 + 4 + 4 + 4	unclear points 0	VIEW OF REPOR report evaluation & understanding poor/wrong partial	pros & cons prioritis irrelevant no partially relevant som mostly adequate reason	o poo	r/wrong irr hort/long partia		prioritisation no some reasonable	evalu almo too sho relevar	ON ANA ussion uation pet no ort/long nt parts urate.	correct own opinions too few	MISSED POINTS POINTED OUT irrelevant none relevant,	ANSWERS TO JURY QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long

IYPT - March 2019

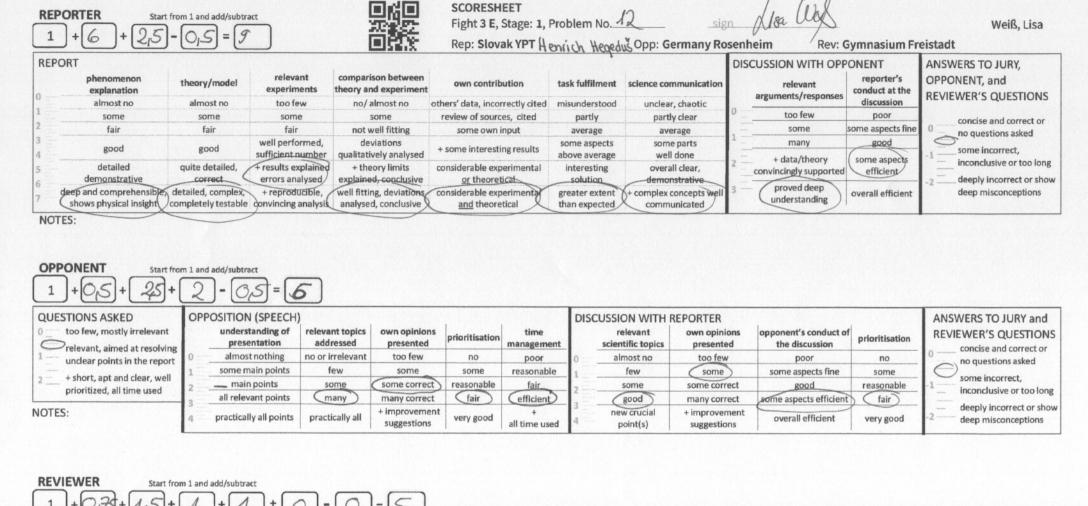
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SCORESHEET REPORTER sign Rardin Caz Start from 1 and add/subtract Fight 3 E, Stage: 1, Problem No. Tazreiter, Martin 6 Opp: Germany Rosenheim Rep: Slovak YPT **Rev: Gymnasium Freistadt** REPORT **DISCUSSION WITH OPPONENT** ANSWERS TO JURY, comparison between relevant phenomenon reporter's OPPONENT, and theory/model own contribution task fulfilment science communication relevant explanation experiments theory and experiment conduct at the arguments/responses REVIEWER'S OUESTIONS discussion almost no almost no too few no/ almost no others' data, incorrectly cited misunderstood unclear, chaotic some too few poor some some some review of sources, cited partly partly clear concise and correct or fair fair fair not well fitting some some aspects fine some own input average average no questions asked good well performed. deviations some aspects some parts many good good + some interesting results some incorrect. sufficient number qualitatively analysed above average well done + data/theory some aspects inconclusive or too long detailed quite detailed, + results explained + theory limits considerable experimental interesting overall clear. *convincingly supported efficient demonstrative correct errors analysed explained, conclusive X or theoretical solution demonstrative deeply incorrect or show deep and comprehensible, detailed, complex, x + reproducible, proved deep well fitting, deviations considerable experimental greater extent + complex concepts well overall efficient deep misconceptions understanding shows physical insight completely testable convincing analysis analysed, conclusive and theoretical than expected communicated NOTES: **OPPONENT** Start from 1 and add/subtract **OPPOSITION (SPEECH)** QUESTIONS ASKED **DISCUSSION WITH REPORTER** ANSWERS TO JURY and too few, mostly irrelevant understanding of relevant topics own opinions opponent's conduct of time relevant own opinions REVIEWER'S QUESTIONS prioritisation prioritisation addressed presentation presented scientific topics management presented the discussion relevant, aimed at resolving concise and correct or almost nothing no or irrelevant too few no poor almost no too few unclear points in the report poor no no questions asked some main points few some some reasonable few some some aspects fine some + short, apt and clear, well some incorrect, main points some some correct reasonable fair some some correct good reasonable prioritized, all time used inconclusive or too long all relevant points many many correct fair efficient good many correct some aspects efficient fair deeply incorrect or show NOTES: + improvement new crucial + improvement practically all points practically all very good overall efficient very good deep misconceptions suggestions all time used point(s) suggestions REVIEWER Start from 1 and add/subtract

1 + 0.5 + 1.5 + 1.5 +	0.5	± 0	1011	5										
QUESTIONS ASKED	REVIEV	N OF REPO	RT		REV	IEW OF OPPO	SITION		DIS	CUSSION AN	ALYSIS	MISSE	D POINTS	ANSWERS TO JURY
0 — too few, mostly irrelevant	8 ur	ort evaluation nderstanding	proc & cone	prioritisation		speech evaluation	pros & cons	prioritisation		discussion evaluation	correct own opinions			QUESTIONS concise and correct or
 relevant, meant to clarify unclear points + suitably allotted to Rep & Opp, 	O po	oor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	0	almost no	too few	-1	irrelevant	no questions asked
most time used	1	partial	partially relevant	some	1	too short/long	partially relevant	some	-	too short/long	some	0 -	none	some incorrect,
+ short, apt and clear, well prioritized,	2	good	mostly adequate	reasonable	2	informative, apt	mostly adequate	reasonable	1 -	relevant parts	many			inconclusive or too long
time managed efficiently	3	detailed, complex	fully adequate	good	3	condensed & accurate	fully adequate	good	2	accurate, conclusive	fully adequate	-	relevant, constructive	-2 deeply incorrect or show deep misconceptions

NOTES:



1.6/3.60.6	77 - [<u> </u>								
QUESTIONS ASKED	REVIEW OF R	EPORT		REVIEW OF OPPO	SITION		DISCUSSION ANA	ALYSIS	MISSED POINTS	ANSWERS TO JURY
0 — too few, mostly irrelevant relevant, meant to clarify unclear points	report evaluation & understan	nrne & cone	prioritisation	speech evaluation	pros & cons	prioritisation	discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS concise and correct or
+ suitably allotted to Rep & Opp, most time used	poor/wro	ng irrelevant	no	0 poor/wrong	irrelevant	no	0 almost no	too few	-1 irrelevant	no questions asked
	1 partial	partially relevant	some	1 too short/long	partially relevant	some	too short/long	some	(0) none	some incorrect,
	2 good	mostly adequate	reasonable	informative, apt	mostly adequate	reasonable	relevant parts	many		inconclusive or too long
+ short, apt and clear, well prioritized, time managed efficiently	detailed complex	fully adequate	good	condensed & accurate	fully adequate	good	accurate, condusive	fully adequate	1 relevant, constructive	deeply incorrect or show deep misconceptions

NOTES:

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111 11 111

SCORESHEET REPORTER Start from 1 and add/subtract Fight 3 E, Stage: 2, Problem No. Worm, Paul Rep: Germany Rosenheim/ Kospp: Gymnasium Freistadt A. K. Rev: Slovak YPT M. 165 CV REPORT **DISCUSSION WITH OPPONENT** ANSWERS TO JURY, relevant comparison between OPPONENT, and reporter's phenomenon theory/model own contribution task fulfilment science communication relevant experiments theory and experiment conduct at the explanation arguments/responses **REVIEWER'S QUESTIONS** almost no almost no too few no/almost no others' data, incorrectly cited discussion misunderstood unclear, chaotic too few poor some some some some review of sources, cited partly clear partly concise and correct or not well fitting some aspects fine fair average X fair fair some own input average some no questions asked deviations well performed. O good some aspects some parts + some interesting results pood good some incorrect, sufficient number qualitatively analysed above average well done + data/theory some aspects inconclusive or too long detailed quite detailed. + results explained + theory limits considerable experimental interesting overall clear, convincingly supported efficient demonstrative correct errors analysed explained, conclusive or theoretical solution demonstrative deeply incorrect or show proved deep deep and comprehensible. detailed, complex. + reproducible, well fitting, deviations considerable experimental deep misconceptions greater extent + complex concepts well overall efficient understanding shows physical insight completely testable convincing analysis analysed, conclusive and theoretical than expected communicated NOTES: **OPPONENT** Start from 1 and add/subtract OPPOSITION (SPEECH) **QUESTIONS ASKED DISCUSSION WITH REPORTER** ANSWERS TO JURY and too few, mostly irrelevant understanding of relevant topics own opinions relevant own opinions opponent's conduct of REVIEWER'S QUESTIONS prioritisation prioritisation presentation addressed presented management scientific topics presented the discussion oconcise and correct or relevant, aimed at resolving no or irrelevant almost nothing too few no almost no too few poor poor no undear points in the report no questions asked some main points few some X some reasonabi some aspects fine few (some X some + short, apt and clear, well some incorrect. some \ main points some reasonable good some correct fair some correct reasonable prioritized, all time used inconclusive or too long many Xall relevant points fair many correct efficient many correct some aspects efficient good fair deeply incorrect or show NOTES: + improvement new crucial + improvement practically all points practically all overall efficient very good very good deep misconceptions suggestions all time used point(s) suggestions Some inconsistencies with pros/cous

REVIEWER Start from 1 and add/subtract 1 + 1.5 + 3 + 7.25 + 1 @ 7 - 0 = 4 0 0 10

QUESTIONS ASKED	REV	IEW OF REPO	RT		REV	IEW OF OPPO	SITION		DISC	CUSSION ANA	ALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant relevant, meant to clarify unclear points		report evaluation & understanding	pros & cons	prioritisation		speech evaluation	pros & cons	prioritisation		discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS concise and correct of
	0	poor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	0	almost no	too few	-1 irrelevant	no questions asked
+ suitably allotted to Rep & Opp, most time used	1	partial	partially relevant	some	1	too short/long	partially relevant	some	_	too short/long	some 🔿	0 none	some incorrect,
+ short, apt and clear, well prioritized,	2	good	mostly adequate	reasonable	2	informative, apt	Sstly adequate	reasonable	1	revent parts	many	0	inconclusive or too l
time managed efficiently	2	detailed,	fully 🗶	Xood		ondensed &	fully	Rood	2	accurate, conclusive	fully adequate	1 Prelevant,	deeply incorrect or

NOTES: Excellent vepvicw

Start from 1 and add/subtract Fight 3 E, Stage: 2, Problem No.__ Klingenböck, Anna Maria Rep: Germany Rosenheim Wing Opp: Gymnasium Freistadt Anna Rev: Slovak YPT Maros REPORT DISCUSSION WITH OPPONENT ANSWERS TO JURY. relevant comparison between phenomenon reporter's OPPONENT, and theory/model own contribution task fulfilment science communication relevant explanation experiments theory and experiment conduct at the arguments/responses **REVIEWER'S QUESTIONS** almost no almost no no/almost no others' data, incorrectly cited discussion too few misunderstood unclear, chaotic some some too few some some review of sources, cited poor partly partly clear concise and correct or fair fair fair not well fitting some own input average some some aspects fine average no questions asked well performed. deviations some aspects some parts many Y good good good + some interesting results some incorrect. sufficient number qualitatively analysed above average well done + data/theory some aspects inconclusive or too long detailed quite detailed, + results explained + theory limits considerable experimental interesting overall clear, convincingly supported efficient demonstrative correct errors analysed explained, conclusive or theoretical solution demonstrative deeply incorrect or show proved deep deep and comprehensible, detailed, complex, + reproducible. well fitting, deviations considerable experimental greater extent + complex concepts well overall efficient deep misconceptions understanding shows physical insight completely testable convincing analysis analysed, conclusive and theoretical than expected communicated NOTES: + many ideas what to investigate **OPPONENT** Start from 1 and add/subtract **QUESTIONS ASKED** OPPOSITION (SPEECH) **DISCUSSION WITH REPORTER** ANSWERS TO JURY and 0 too few, mostly irrelevant understanding of relevant topics own opinions time relevant own opinions opponent's conduct of **REVIEWER'S QUESTIONS** prioritisation prioritisation presentation addressed presented management scientific topics presented the discussion relevant, aimed at resolving concise and correct or almost nothing no or irrelevant too few no poor almost no too few undear points in the report poor no no questions asked some main points few some some reasonable few some some aspects fine some + short, apt and clear, well some incorrect. main points some some correct reasonable fair some some correct good reasonable prioritized, all time used inconclusive or too long all relevant points many correct many fair efficient good many correct some aspects efficient fair deeply incorrect or show NOTES: + improvement new crucial + improvement practically all points practically all very good overall efficient very good deep misconceptions suggestions all time used point(s) suggestions - few questions - not all time used - few relevant questions REVIEWER Start from 1 and add/subtract ± QUESTIONS ASKED REVIEW OF REPORT REVIEW OF OPPOSITION **DISCUSSION ANALYSIS** MISSED POINTS ANSWERS TO JURY report evaluation discussion too few, mostly irrelevant correct own POINTED OUT speech QUESTIONS pros & cons prioritisation pros & cons prioritisation & understanding evaluation evaluation opinions relevant, meant to clarify unclear points concise and correct or irrelevant poor/wrong irrelevant almost no too few irrelevant no questions asked poor/wrong no + suitably allotted to Rep & Opp, partial partially relevant some too short/long some too short/long partially relevant some none most time used some incorrect. relevant parts many mostly adequate Kreasonable good informative, apt mostly adequate Feasonable inconclusive or too long + short, apt and clear, well prioritized, relevant, accurate, fully detailed. fully condensed & fully deeply incorrect or show time managed efficiently constructive good good conclusive adequate adequate accurate adequate deep misconceptions NOTES: - very efficient genesions - review with own ideas

IVPT - March 2019

SCORESHEET

REPORTER

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REPORTER Start from 1 and add/subtract +4+15-0=7



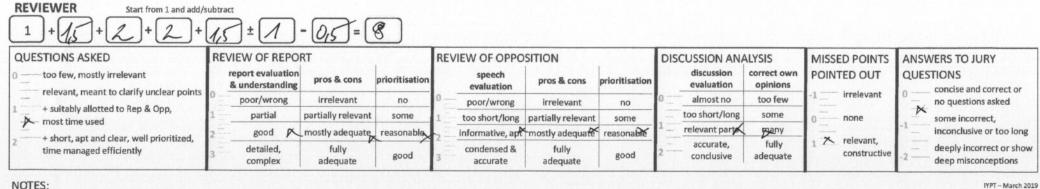
SCORESHEET

Fight 3 E, Stage: 2, Problem No.

Poier, Peter

	4 + 7,3			回海礁	Rep: Germany Rose	enneim	Opp: Gymnasium	Freistadt Rev: S	Slovak YPT	
ORT								DISCUSSION WITH OPP	ONENT	ANSWERS TO JURY,
	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	relevant arguments/responses	reporter's conduct at the	OPPONENT, and REVIEWER'S QUESTI
	almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	arguments/responses	discussion	REVIEWER 3 QUESTI
	some	some	some	some	review of sources, cited	partly	partly clear	too few	poor	concise and corre
	fair	fair	fair	not well fitting	, some own input	average	average	some	some aspects fine	no questions aske
	good	good	well performed, sufficient number	deviations P qualitatively analysed	+ some interesting results	some aspects > above average	some parts × well done	many 🗡	good X	some incorrect,
	detailed Ademonstrative	quite detailed, 🔀	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental	interesting solution	overall clear, demonstrative	convincingly supported		inconclusive or to
		mprehensible, detailed, complex, + reproducible, well fitting, d		well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3 proved deep understanding	overall efficient	deep misconcepti

OPPONENT Start from 1 and add/subtract **OPPOSITION (SPEECH) QUESTIONS ASKED DISCUSSION WITH REPORTER** ANSWERS TO JURY and 0 X too few, mostly irrelevant understanding of relevant topics own opinions time relevant own opinions opponent's conduct of REVIEWER'S QUESTIONS prioritisation prioritisation addressed presentation presented management scientific topics the discussion presented concise and correct or relevant, aimed at resolving almost nothing no or irrelevant too few no almost no poor too few poor no unclear points in the report no questions asked some main points few some some reasonable few some aspects fine some some + short, apt and clear, well some incorrect, fair main points some correct reasonable X good A some some some correct > reasonable < prioritized, all time used inconclusive or too long all relevant points many many correct efficient good many correct some aspects efficient fair deeply incorrect or show NOTES: + improvement + improvement new crucial practically all points practically all overall efficient very good very good deep misconceptions suggestions all time used point(s) suggestions



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NOTES:

SCORESHEET REPORTER Start from 1 and add/subtract Fight 3 E, Stage: 2, Problem No. Schweitzer, Susanne Opp: Gymnasium Freistadt Rep: Germany Rosenheim Rev: Slovak YPT REPORT **DISCUSSION WITH OPPONENT** ANSWERS TO JURY, relevant comparison between phenomenon reporter's OPPONENT, and theory/model own contribution task fulfilment science communication relevant experiments theory and experiment explanation conduct at the **REVIEWER'S QUESTIONS** arguments/responses discussion almost no almost no too few no/almost no others' data, incorrectly cited misunderstood unclear, chaotic too few some some some some review of sources, cited poor partly partly clear concise and correct or some aspects fine fair fair fair not well fitting some some own input average average no questions asked well performed, deviations some parts well done some aspects many good good good + some interesting results some incorrect, sufficient number qualitatively analysed above everage + data/theory some aspects inconclusive or too long detailed quite detailed, + results explained + theory limits overall clear, considerable experimental interesting convincingly supported efficient demonstrative demonstrative correct errors analysed explained, conclusive deeply incorrect or show or theoretical solution

greater extent + complex concepts well

than expected

communicated

considerable experimental

and theoretical

proved deep

understanding

overall efficient

NOTES:

deep and comprehensible, detailed, complex,

shows physical insight completely testable convincing analysis

Start from 1 and add/subtract

1 . 1 . . .

+ reproducible,

well fitting, deviations

analysed, conclusive

OPPONENT Start from	n 1 and	add/subtract	³³⁷ 6									
QUESTIONS ASKED	OPP	OSITION (SPEECH))				DISC	CUSSION WITH F	REPORTER			ANSWERS TO JURY and
too few, mostly irrelevant relevant, aimed at resolving unclear points in the report		understanding of presentation	relevant topics addressed	own opinions presented	prioritisation	time management		relevant scientific topics	own opinions presented	opponent's conduct of the discussion	prioritisation	REVIEWER'S QUESTIONS
	0	almost nothing	no or irrelevant	too few	no	poor	0	almost no	too few	poor	no	no questions asked
	1	some main points	few	sopre	some	reasonable	1	few/	some	some aspects fine	some	
+ short, apt and clear, well	2	main points	some	some correct	reasonable	fair	1	søme	some correct	good	reasonable	some incorrect,
prioritized, all time used	2	all relevant points	many	many correct	fair	efficient	4	good	many correct	some aspects efficient		inconclusive or too long
NOTES:	4	practically all points	practically all	+ improvement suggestions	very good	+ all time used	4	new crucial point(s)	+ improvement suggestions	overall efficient	very good	deeply incorrect or show deep misconceptions

RE	IEW OF REPO	RT		RE\	IEW OF OPPO	SITION		DIS	CUSSION ANA	ALYSIS	MISSED POINTS	ANSWERS TO JURY
		pros & cons	prioritisation		speech evaluation	pros & cons	prioritisation		discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS concise and correct of
0	poor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	0	almost no	too few	-1 irrelevant	no questions asked
1 -	partial	partially relevant	some	1	too short/long	partially relevant	some	-	too short/long	some	0 none	some incorrect,
2	good/	mostly adequate	reasonable	,=	informative, apt	mostly adequate	reasonable	1-	relevant parts	many	7	inconclusive or too lo
3	detailed,	fully	-	-	condensed &	fally	good	2-	accurate,	fully		deeply incorrect or sh
		report evaluation & understanding poor/wrong partial good	poor/wrong irrelevant partial partially relevant good mostly adequate	report evaluation & understanding pros & cons prioritisation poor/wrong irrelevant no partial partially relevant some good mostly adequate reasonable detailed, fully	report evaluation & understanding pros & cons prioritisation poor/wrong irrelevant no 1 partial partially relevant some 1 good mostly adequate reasonable 2 detailed, fully	report evaluation & understanding pros & cons prioritisation poor/wrong irrelevant no poor/wrong partial partially relevant some too short/long good mostly adequate reasonable informative, apt	report evaluation & understanding pros & cons prioritisation poor/wrong irrelevant no partial partially relevant some pood mostly adequate reasonable detailed.	report evaluation & understanding pros & cons prioritisation poor/wrong irrelevant no partial partially relevant some good mostly adequate reasonable detailed, fully specified by the pros & cons prioritisation	report evaluation & understanding pros & cons prioritisation poor/wrong irrelevant no poor/wrong partially relevant some good mostly adequate reasonable detailed.	report evaluation & understanding pros & cons prioritisation poor/wrong irrelevant no poor/wrong partially relevant some good mostly adequate reasonable detailed. The prosident pros & cons prioritisation pros & cons prioritisation pros & cons prioritisation evaluation pros & cons prioritisation pros & cons prioritisation evaluation of almost no too short/long partially relevant some informative, apt mostly adequate reasonable condensed & faily	report evaluation & understanding pros & cons prioritisation poor/wrong irrelevant no poor/wrong partially relevant some good mostly adequate reasonable detailed. **The process of the pros of the evaluation opinions of the evaluation opinions of the evaluation opinions of the evaluation opinions opinions of the evaluation opinions op	report evaluation & understanding pros & cons prioritisation poor/wrong irrelevant no partially relevant some good mostly adequate reasonable detailed. The prosided conservation pros & cons prioritisation pros & cons prioritisation pros & cons prioritisation pros & cons prioritisation evaluation pros & correct own opinions almost no too few too short/long some too short/long some relevant parts many accorate, fully relevant, relevant, accorate, fully relevant.

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REVIEWER

deep misconceptions

SCORESHEET REPORTER sign lardin Taxeider Start from 1 and add/subtract Fight 3 E, Stage: 2, Problem No. Tazreiter, Martin Rep: Germany Rosenheim Opp: Gymnasium Freistadt Rev: Slovak YPT REPORT **DISCUSSION WITH OPPONENT** ANSWERS TO JURY. comparison between relevant phenomenon reporter's OPPONENT, and theory/model own contribution task fulfilment science communication relevant explanation experiments theory and experiment conduct at the **REVIEWER'S QUESTIONS** arguments/responses almost no almost no no/ almost no discussion too few others' data, incorrectly cited misunderstood unclear, chaotic some some too few poor some some review of sources, cited partly partly clear concise and correct or fair fair fair not well fitting some some aspects fine some own input × average average no questions asked well performed. deviations good some aspects some parts many good good + some interesting results some incorrect, sufficient number qualitatively analysed well done above average + data/theory some aspects quite detailed, inconclusive or too long detailed + theory limits + results explained considerable experimental overall clear, interesting convincingly supported efficient demonstrative correct errors analysed explained, conclusive or theoretical solution demonstrative deeply incorrect or show proved deep deep and comprehensible, detailed, complex, + reproducible. well fitting, deviations considerable experimental greater extent + complex concepts well deep misconceptions overall efficient understanding shows physical insight completely testable convincing analysis analysed, conclusive and theoretical than expected communicated NOTES: **OPPONENT** Start from 1 and add/subtract OPPOSITION (SPEECH) **OUESTIONS ASKED DISCUSSION WITH REPORTER** ANSWERS TO JURY and too few, mostly irrelevant understanding of relevant topics own opinions opponent's conduct of time relevant own opinions REVIEWER'S QUESTIONS prioritisation prioritisation presentation addressed presented management scientific topics presented the discussion relevant, aimed at resolving concise and correct or almost nothing no or irrelevant too few no poor almost no too few unclear points in the report poor no no questions asked some main points few some some reasonable few some some aspects fine some + short, apt and clear, well some incorrect. main points some some correct reasonable fair some some correct good reasonable prioritized, all time used inconclusive or too long all relevant points many many correct fair efficient good many correct some aspects efficient fair deeply incorrect or show NOTES: + improvement new crucial + improvement practically all points practically all very good overall efficient very good deep misconceptions suggestions all time used point(s) suggestions REVIEWER Start from 1 and add/subtract **QUESTIONS ASKED REVIEW OF REPORT** REVIEW OF OPPOSITION **DISCUSSION ANALYSIS** MISSED POINTS ANSWERS TO JURY discussion report evaluation correct own too few, mostly irrelevant speech POINTED OUT QUESTIONS pros & cons prioritisation pros & cons prioritisation & understanding evaluation evaluation opinions o concise and correct or relevant, meant to clarify unclear points irrelevant almost no too few poor/wrong irrelevant poor/wrong irrelevant no questions asked no X + suitably allotted to Rep & Opp, partial partially relevant some too short/long some partially relevant too short/long some none some incorrect, most time used relevant parts many inconclusive or too long good mostly adequate reasonable informative, apt | mostly adequate reasonable + short, apt and clear, well prioritized, relevant, fully accurate, deeply incorrect or show detailed. fully condensed & fully time managed efficiently constructive good good conclusive adequate complex adequate accurate adequate

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IYPT - March 2019

deep misconceptions

REPOR	TER Start	from 1 and add/subtra	act		SCORESHEET Fight 3 E, Stage: 2,	Problem No	9 sic	in Olsa Wex		Weiß, Lisa
1 +	4 + 2	-[0]=[}]	首線	Rep: Germany Ros		Opp: Gymnasium	/	: Slovak YPT	Wells, Lisa
REPORT	phenomenon	theory/model	relevant	comparison between	own contribution	task fulfilment	science communication	DISCUSSION WITH OI	PPONENT reporter's	ANSWERS TO JURY, OPPONENT, and
0	explanation almost no	almost no	experiments too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	arguments/response	conduct at the discussion	REVIEWER'S QUESTIONS
1	some	some	some	some	review of sources, cited	partly	partly clear	0 too few	poor	anning and correct or
2	fair	fair	fair	not well fitting	some own input	average	average	some	some aspects fine	concise and correct or no questions asked
4	_ good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	+ data/theory	good	some incorrect,
5	detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	 overall clear, demonstrative 	convincingly support	some aspects efficient	inconclusive or too long deeply incorrect or show
The second of the second of	and comprehensible, lows physical insight	detailed, complex, completely testable	+ reproducible,	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	3 proved deep understanding	overall efficient	deep misconceptions
OPPON	VENT Start 0,5 + 2,5	from 1 and add/subtra	15 = S	t explained experiments	u problems					
8 too	ONS ASKED of few, mostly irrelevant	ng prese	I (SPEECH)	nt topics own opinion presented	s prioritisation time manageme	n	ON WITH REPORTER elevant own opin tiffic topics present		t of prioritisation	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or
1 und	clear points in the repor			rrelevant too few	no poor	Charles San Land Land	most no too fev		no	no questions asked
2 - + sl	hort, apt and clear, well			ome some	some reasonable fair		few Some			some incorrect,
prie	oritized, all time used	£		some correct		6	some some corn good many corn		reasonable ent fair	inconclusive or too long
NOTES:		3		ically all + improveme suggestions		3 ne	good many core w crucial + improve point(s) suggestic	ment overall efficient	very good	deeply incorrect or show deep misconceptions
REVIEV	\square	from 1 and add/subtra	±	(5) = <u>8</u>	REVIEW OF ORDO	SITION	Discussion	CIONI ANIALVEIS	MISSED DOINTS	ANSWEDS TO HIDV
			1		REVIEW OF OPPOS	SITION			MISSED POINTS	ANSWERS TO JURY
rele + st 	evant, mostly irrelevant evant, meant to clarify of uitably allotted to Rep & st time used hort, apt and clear, well e managed efficiently	unclear points 0		pros & cons prioritis irrelevant no partially relevant som mostly adequate reason fully adequate good	evaluation poor/wrong too short/long able informative, apt	pros & cons irrelevant partially relevant mostly adequate fully adequate	no o alr some reasonable 1 relevance	cursion opinions nost no too few hort/long some rant parts many curate, ndusive adequate	relevant,	QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
NOTES:			1 10 00			- 1	Question co answered + water	by specificat co	en & a pacity	of glass

REPORTER Fight 3 E, Stage: 3, Problem No. 13 Start from 1 and add/subtract Worm, Paul Rep: Gymnasium Freistadt F. H. Opp: Slovak YPT M. Rev: Germany Rosenheim REPORT **DISCUSSION WITH OPPONENT** ANSWERS TO JURY. comparison between relevant phenomenon reporter's OPPONENT, and theory/model own contribution task fulfilment science communication relevant explanation experiments theory and experiment conduct at the arguments/responses **REVIEWER'S QUESTIONS** almost no discussion almost no too few no/ almost no others' data, incorrectly cited misunderstood unclear, chaotic too few poor some some review of sources, cited some some partly partly clear concise and correct or * sine aspects fine fair fair fair not well fitting some own input some average average no questions asked good well performed. deviations many some aspects some parts good good + some interesting results some incorrect, sufficient number qualitatively analysed above average well done + data/theory some aspects inconclusive or too long detailed quite detailed, + results explained + theory limits considerable experimental interesting overall clear, efficient convincingly supported demonstrative correct errors analysed explained, conclusive or theoretical solution demonstrative deeply incorrect or show proved deep deep and comprehensible, detailed, complex, deep misconceptions + reproducible. well fitting, deviations considerable experimental overall efficient greater extent + complex concepts well understanding shows physical insight completely testable convincing analysis analysed, conclusive and theoretical than expected communicated **OPPONENT** Start from 1 and add/subtract **QUESTIONS ASKED OPPOSITION (SPEECH)** ANSWERS TO JURY and **DISCUSSION WITH REPORTER** too few, mostly irrelevant understanding of relevant topics own opinions relevant own opinions opponent's conduct of **REVIEWER'S QUESTIONS** prioritisation prioritisation presentation addressed presented scientific topics the discussion management presented concise and correct or relevant, aimed at resolving almost nothing no or irrelevant too few no too few poor almost no poor no undear points in the report no questions asked few some main points some some o some aspects fine reasonable few some g some + short, apt and clear, well some incorrect. reasonable some & main points 4 some some correct o some correct good reasonable prioritized, all time used inconclusive or too long all relevant points many many correct some aspects efficient fair efficient good many correct fair deeply incorrect or show NOTES: + improvement new crucial + improvement practically all points practically all overall efficient very good very good deep misconceptions alltime used suggestions point(s) suggestions REVIEWER Start from 1 and add/subtract REVIEW OF OPPOSITION **ANSWERS TO JURY** QUESTIONS ASKED REVIEW OF REPORT **DISCUSSION ANALYSIS** MISSED POINTS discussion correct own POINTED OUT QUESTIONS report evaluation too few, mostly irrelevant speech pros & cons prioritisation pros & cons prioritisation evaluation opinions & understanding evaluation concise and correct or relevant, meant to clarify unclear points irrelevant almost no too few poor/wrong irrelevant no no questions asked poor/wrong irrelevant no + suitably allotted to Rep & Opp, too short/long some partial partially relevant some partially releva too short long none some incorrect, some most time used many relevant parts mostly adequate inconclusive or too long good U reasonable informative, apt mostly adequate reasonable + short, apt and clear, well prioritized, relevant, fully accurate. deeply incorrect or show condensed & fully detailed. fully time managed efficiently constructive good good conclusive adequate deep misconceptions complex adequate accurate adequate

SCORESHEET

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REPORTER Start 1 + 2 + 0	from 1 and add/subtra	act Z	国泰国 第600年 国第8	SCORESHEET Fight 3 E, Stage: 3, Rep: Gymnasium			_sig lovak YPT		Rev: Germany Ros	Klingenböck, Anna Maria
REPORT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science co	mmunication	DISCUSSION WI relevar arguments/re	reporter's	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	l unclea	r, chaotic	0 - 1.	discussion	- REVIEWER 3 QUESTIONS
some	some	some	K some	review of sources, cited	partly	parti	ly clear	too fev	A	concise and correct or
fair	X fair	fair	not well fitting	X some own input	average	- N	erage	some	some aspects fir	e o no questions asked
3 X good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average		e parts I done	many + data/th	good some aspects	some incorrect, inconclusive or too long
5 detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution		all clear, nstrative	convincingly su	ipported efficient	deeply incorrect or show
	completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected		concepts well unicated	3 — proved de understan		deep misconceptions
OPPONENT 1 + 13 + 38 QUESTIONS ASKED too few, mostly irrelevant relevant, aimed at resolving	nros	= 9 N (SPEECH) standing of releva	nt topics own opinion ressed presented	s prioritisation time		SION WITH relevant entific topics	REPORTER own opinion presente		prinritication	ANSWERS TO JURY and REVIEWER'S QUESTIONS
1 unclear points in the report	rt 0 almos		rrelevant too few	no poor	0 :	almost no	too few	, poo	r no	_ no questions asked
+ short, apt and clear, well			ew some	some reasonal	ole 1	few	some	some aspe		some incorrect,
prioritized, all time used	£		ome some correc		2	some	some corr			inconclusive or too long
NOTES:	3 X	X	ically all many correct suggestions	nt X +	3	good ew crucial point(s)	many corr + improven suggestio	ment X overall ef		deeply incorrect or show deep misconceptions
+ crucial points			+ 000.10	ed understan		polit(s)	suggestio	nis	1	
+ good improv	ement s	uggestous	,		0					
REVIEWER Start	from 1 and add/subtra	act								
1+1+2	+2+/	1 ± 0 -	0=7							
QUESTIONS ASKED	RE	VIEW OF REPOR	Т	REVIEW OF OPPO	SITION		DISCUSS	ION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
0 — too few, mostly irrelevant		report evaluation	pros & cons prioritis	sneech	pros & cons	prioritisatio	disc	cussion correct or	POINTED OUT	QUESTIONS
relevant, meant to clarify	unclear points	& understanding		evaluation	pros accors	prioritisatio	eva	luation opinion	irrelevant	0 X concise and correct or
+ suitably allotted to Rep 8		poor/wrong	irrelevant no	posi, mong	irrelevant	no	_	nost no too few		no questions asked
most time used	1	partial p	partially relevant som	e 1 too short/long	partially relevan	t some	_ 1 N	hort/long some	none	some incorrect,
+ short, apt and clear, wel	prioritized, 2	X good	nostly adequate reason	able 2 informative, apt	mostly adequate	e Keasonable		ant parts many	relevant,	inconclusive or too long
time managed efficiently	3	detailed, complex	fully goo	d 3 condensed & accurate	fully adequate	good	The second	curate, fully aclusive adequat		deeply incorrect or show deep misconceptions
NOTES: + Some	own idea	as presente	d							IYPT – March 2019

REPORTER Start from 1 and add/subtract



SCORESHEET

Fight 3 E, Stage: 3, Problem No.

Opp: Slovak YPT

Poier, Peter

1	+ 4/15 + 4/15	-[O]=[C	5	回難於	Rep: Gymnasium F	Opp: Slovak YPT		
REPO	RT							1
	phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	ı
0	almost no	almost no	too few X	no/almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	ı
1	some X	some X	some	some	review of sources, cited	partly	partly clear X	1
2	fair	fair	fair	not well fitting	some own input 人	average	average	1
4	good	good	well performed, sufficient number	deviations qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	I
5	detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	ľ
7 de	eep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	+ complex concepts well communicated	(7)

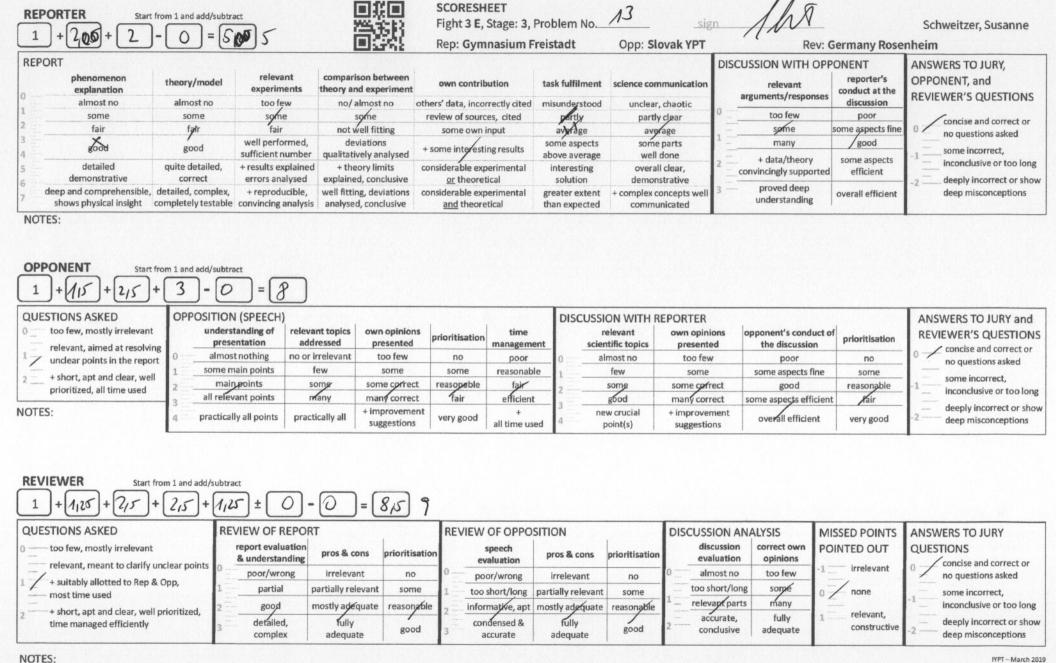
•	Rev: 0	Germany Rose	nheim				
n	DISCUSSION WITH OPF relevant arguments/responses	reporter's conduct at the discussion	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS				
<	too few some X	poor some aspects fine good	110 questions asked				
-	2 + data/theory convincingly supported	some aspects efficient	some incorrect, inconclusive or too long deeply incorrect or show				
11	3 — proved deep understanding	overall efficient	deep misconceptions				

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OPPONENT Start from 1 + 4/5 + 2 + (1 and	add/subtract	7														
QUESTIONS ASKED	OPP	OSITION (SPEECH)					DISC	CUSSION WITH I	REPORTER			ANSWERS TO JURY and					
too few, mostly irrelevant relevant, aimed at resolving	0	understanding of presentation	relevant topics addressed	own opinions presented	prioritisation	time management		relevant scientific topics	own opinions presented	opponent's conduct of the discussion	prioritisation	REVIEWER'S QUESTIONS concise and correct or					
undear points in the report		almost nothing	no or irrelevant	too few	no	poor	0	almost no	too few	poor	no	no questions asked					
+ short, apt and clear, well		1	1	1	1	1	some main points	few	some	some	reasonable	1	few	some	some aspects fine	some	
prioritized, all time used		🗡 main points	some	some correct	reasonable	_fair	2	some	some correct	good	reasonable	some incorrect,					
prioritized, an time used	3	all relevant points	many	many correct	fair	efficient	1	good	many correct	some aspects efficient	fair	inconclusive or too long					
NOTES:	4	practically all points	practically all	+ improvement suggestions	very good	+ all time used	4	new crucial point(s)	+ improvement suggestions	overall efficient	very good	deeply incorrect or show deep misconceptions					

REVIEWER Start from 1 and add/s	± O ₁ 5	-0=	8									
QUESTIONS ASKED	REVIEW OF REPO	ORT		REV	/IEW OF OPPO	SITION		DISC	CUSSION AN	ALYSIS	MISSED POINTS	ANSWERS TO JURY
too few, mostly irrelevant relevant, meant to clarify unclear points	report evaluatio & understandin	proc & cone	prioritisation	ritisation	speech evaluation	pros & cons	prioritisation		discussion evaluation	correct own opinions	POINTED OUT	QUESTIONS concise and correct or
+ suitably allotted to Rep & Opp,	poor/wrong	irrelevant	no	0	poor/wrong	irrelevant	no	0 almost no	almost no	too few		no questions asked
-X most time used	1 partial	partially relevant	some 1	too short/long	partially relevant	some		too short/long	some	none	some incorrect,	
+ short, apt and clear, well prioritized,	2 ─ Kgood	mostly adequate	çeasonable	2	informative, apt	mostly adequate	reasonable	'	relevant parts	many	relevant,	inconclusive or too long
time managed efficiently	3 detailed, complex	fully adequate	good	3	condensed & accurate	fully adequate	good	2	accurate, conclusive	fully adequate		deeply incorrect or show deep misconceptions

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sign Rost- Tazziden Start from 1 and add/subtract Fight 3 E, Stage: 3, Problem No. Tazreiter, Martin Opp: Slovak YPT Rep: Gymnasium Freistadt Rev: Germany Rosenheim REPORT **DISCUSSION WITH OPPONENT** ANSWERS TO JURY. relevant comparison between OPPONENT, and reporter's phenomenon theory/model own contribution task fulfilment science communication relevant conduct at the explanation experiments theory and experiment arguments/responses **REVIEWER'S QUESTIONS** almost no almost no discussion too few no/almost no others' data, incorrectly cited misunderstood unclear, chaotic too few poor some some some review of sources, cited partly clear some partly concise and correct or some aspects fine fair fair fair not well fitting some own input X average average some no questions asked well performed. good deviations some aspects some parts many good good + some interesting results some incorrect, qualitatively analysed sufficient number above average well done + data/theory some aspects inconclusive or too long detailed quite detailed. + theory limits + results explained considerable experimental interesting overall clear, convincingly supported efficient demonstrative correct errors analysed explained, conclusive or theoretical solution demonstrative deeply incorrect or show proved deep deep and comprehensible, detailed, complex, deep misconceptions + reproducible. well fitting, deviations considerable experimental greater extent + complex concepts well overall efficient × shows physical insight understanding completely testable convincing analysis analysed, conclusive and theoretical communicated than expected NOTES: **OPPONENT** Start from 1 and add/subtract **QUESTIONS ASKED** OPPOSITION (SPEECH) **DISCUSSION WITH REPORTER** ANSWERS TO JURY and own opinions too few, mostly irrelevant understanding of relevant topics opponent's conduct of time relevant own opinions REVIEWER'S QUESTIONS prioritisation prioritisation addressed presentation presented management scientific topics presented the discussion concise and correct or relevant, aimed at resolving almost nothing no or irrelevant too few no almost no too few poor poor no undear points in the report no questions asked some main points few some some reasonable few some aspects fine some some + short, apt and clear, well some incorrect. main points some some correct reasonable fair some some correct good reasonable prioritized, all time used inconclusive or too long all relevant points many many correct efficient some aspects efficient good many correct fair deeply incorrect or show NOTES: + improvement new crucial + improvement x practically all points x practically all overall efficient xvery good very good deep misconceptions suggestions All time used point(s) suggestions REVIEWER Start from 1 and add/subtract ± .5 QUESTIONS ASKED REVIEW OF REPORT **REVIEW OF OPPOSITION DISCUSSION ANALYSIS** MISSED POINTS **ANSWERS TO JURY** report evaluation discussion correct own POINTED OUT QUESTIONS too few, mostly irrelevant speech pros & cons prioritisation pros & cons prioritisation evaluation opinions & understanding evaluation concise and correct or relevant, meant to clarify unclear points irrelevant almost no too few poor/wrong irrelevant no no questions asked poor/wrong irrelevant no + suitably allotted to Rep & Opp, too short/long some partial partially relevant some too short/long partially relevant some none some incorrect, most time used relevant parts many inconclusive or too long mostly adequate reasonable good informative, apt | mostly adequate reasonable + short, apt and clear, well prioritized, relevant, accurate, fully deeply incorrect or show detailed. fully condensed & fully time managed efficiently constructive good good conclusive adequate deep misconceptions complex adequate accurate adequate NOTES:

SCORESHEET

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REPORTER

REPORTER Start	from 1 and add/subtra	ct	回杀回 答奖的	SCORESHEET Fight 3 E, Stage: 3,			ign Misq Wey		Weiß, Lisa
	() (Z		[2]59962	Rep: Gymnasium F	-reistadt	Opp: Slovak YP	* Re	v: Germany Rose	nheim
REPORT phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communicatio	n piscussion with (reporter's	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0	discussion	KEVIEWEN'S QUESTIONS
some	some	some	some	review of sources, cited	partly	partly clear	too few	poor	concise and correct or
3 fair	fair	well performed,	not well fitting deviations	some own input	some aspects	average	some many	some aspects fine	no questions asked
4 good	good	sufficient number	qualitatively analysed	+ some interesting results	above average	some parts well done	+ data/theory		some incorrect,
5 detailed	quite detailed,	+ results explained	+ theory limits	considerable experimental	interesting	overall clear,	convincingly suppor	some aspects ted efficient	inconclusive or too long
deep and comprehensible, shows physical insight	detailed, complex, completely testable	errors analysed + reproducible, convincing analysis	explained, conclusive well fitting, deviations analysed, conclusive	or theoretical considerable experimental and theoretical	solution greater extent than expected	+ complex concepts we communicated	nroved deep	overall efficient	deeply incorrect or show deep misconceptions
OPPONENT Start 1 + 2 + 3	rom 1 and add/subtra + 3 - 0 OPPOSITION	5=9			DISCUSSI	ON WITH REPORTE			ANSWEDS TO HIPV and
too few, mostly irrelevant			int topics own opinion	is time		elevant own op		urt of	ANSWERS TO JURY and
relevant, aimed at resolvir	nrese		ressed presented	prioritisation managem		ntific topics prese			REVIEWER'S QUESTIONS concise and correct or
unclear points in the repo	almost	nothing no or	irrelevant too few	no poor	0 al	lmost no too f	ew poor	no	no questions asked
+ short, apt and clear, wel	1 some m		few some	some reasonab	ole 1	few som	ne some aspects fi	ne some	some incorrect.
prioritized, all time used	2 main		ome some correct		2	some some co		reasonable	inconclusive or too long
votes: Very good question	3	7	+ improveme suggestion:	ent very good +	3 ne	good many control	vement overall efficien	11/	deeply incorrect or show deep misconceptions
DEMENTED	from 1 and add/subtra				· very	well structu	ured discuss	ion	slightly miss - understood ques help by colleague
1 + 1 + 1,73	+ 15 + 1/2		0=6						
QUESTIONS ASKED	RE	IEW OF REPOR	Т	REVIEW OF OPPO	SITION	DISCU	SSION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
0 — too few, mostly irrelevant		report evaluation	pros & cons prioriti	sation speech	proc 8 cons	prioritication	discussion correct own	POINTED OUT	QUESTIONS
relevant, meant to clarify	unclear points	& understanding	pros & cons prioriti	evaluation	pros & cons		valuation opinions	-1 irrelevant	concise and correct or
+ suitably allotted to Rep 8	& Opp.	poor/wrong	irrelevant no	- Poorly mong	irrelevant	110	almost no too few	i reievant	no questions asked
most time used	1=		partially relevant (son	too short/long	partially relevant	30me 1	short/long some	none	some incorrect,
+ short, apt and clear, wel	prioritized, 2	good	mostly adequate reason	nable 2 informative, apt	mostly adequate	reasonable (evant parts many accurate, fully	relevant,	inconclusive or too long
time managed efficiently	3	detailed, complex	fully goo	od 3 condensed & accurate	fully adequate	good 2	conclusive adequate	constructive	deeply incorrect or show deep misconceptions
NOTES:						.5	rougly present town opinion of always conec	ecl	IYPT – March 2019
						he	I own point	~	
						n	of always conec	+	
							0		