

Subject:	Atmospheric chemistry
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Name and surname: (use capital letters)		Date:	
Email address:			29.10.2019

No.	Max. pt.	Write the letter corresponding with correct answer	Answer	Points
1	4 points	The average localisation of the mesosphere is: A) 12 - 50 km B) 15 - 35 km C) 50 - 1000 km D) 50 - 80 km		
2	4 points			
3	4 points			
4	4 points	The principle of beta-radiometric analysis is: A) the molecule is excited by beta radiation and then emits secondary UV radiation B) the molecule is oxidized by oxygen radical and then emits secondary beta radiation C) filter exposed to dusty particles absorbs beta radiation more than unexposed one D) dusty particles are exposed to beta radiation and then emit secondary UV radiation		
5	4 points			

ONLY EXAMPLES OF QUESTIONS
INCLUDED IN THE DEMO VERSION

No.	Max. pt.	Write the letter corresponding with correct answer	Answer	Points
6	4 points			
7	4 points	The approximative value of incoming solar radiation is: A) 107 kW/m ² B) 340 W/m ² C) 40 W/m ² D) 107 W/m ²		
8	4 points			
9	4 points			
10	4 points			
11	4 points	For the purposes of the National Greenhouse Gas Inventory the GWP values are expressed: A) for 20-years horizon B) for 100-years horizon C) for 1-year horizon D) for 1000-years horizon		

ONLY EXAMPLES OF QUESTIONS
 INCLUDED IN THE DEMO VERSION

12	4 points	What is the main criterium for classification the VOC according to the UN ECE: A) VOC are toxic with the lethal dosis < 5 mg/kg B) VOC form photochemical oxidants with NOx C) VOC destroy ozone layer D) VOC are persistent, bioaccumulative and carcinogenic		
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13	4 points			
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14	4 points			
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15	4 points	Why the hetérosphere has its name: A) due to gradual increase if ozone molecules abundance B) due to gradual decrease of O2 molecules abundance C) due to decrease of air humidity D) due to gradual increase of abundance of free radicals and ions		
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No.	Max. pt.	Question
16	10 points	Explain the mechanism and basic properties (e.g. regional location, warm air/cold air, direction etc.) of the following winds: A) summer and winter monsoon B) katabatic wind

Answer:	Points

ONLY EXAMPLES OF QUESTIONS INCLUDED IN THE DEMO VERSION

No.	Max. pt.	Question	
17	10 points		
Answer:			Points
<p>ONLY EXAMPLES OF QUESTIONS INCLUDED IN THE DEMO VERSION</p>			

No.	Max. pt.	Question	
18	10 points		
Answer:			Points
<p>ONLY EXAMPLES OF QUESTIONS INCLUDED IN THE DEMO VERSION</p>			

No.	Max. pt.	Question
19	10 points	Define the main physicochemical factors, on which the GWP index depends and shortly explain why.
Answer:		Points

Note: if you need more space for your answers, please use the back side of the paper.

Evaluation	Maximum number of points:	100 points				
	Achieved points:					
	Corresponding mark:					
	Teacher's signature:					
<i>Classification</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i> <i>Oral exam required</i>	<i>E</i>	<i>F</i> <i>Repeat the exam</i>
	<i>100 - 90 pt.</i>	<i>89 - 80 pt.</i>	<i>79 - 70 pt.</i>	<i>69 - 60 pt.</i>	<i>59 - 50 pt.</i>	<i>< 50 pt.</i>