

GAUTENG DEPARTMENT OF EDUCATION PROVINCIAL EXAMINATION JUNE 2018

GRADE 6

NATURAL SCIENCES AND TECHNOLOGY

MEMORANDUM

6 pages

MEMORANDUM	NATURAL SCIENCES AND	
	TECHNOLOGY	GRADE 6

GAUTENG DEPARTMENT OF EDUCATION PROVINCIAL EXAMINATION

NATURAL SCIENCES AND TECHNOLOGY

MEMORANDUM

SEC	TION A	
QUE	STION 1	
1.1	D	(1)
1.2	В	(1)
1.3	С	(1)
1.4	A	(1)
1.5	В	(1) (5)
QUE	STION 2	
2.1	D	(1)
2.2	F	(1)
2.3	E	(1)
2.4	A	(1)
2.5	С	(1) (5)
QUE	STION 3	
3.1	lodine solution	(1)
3.2	Preserving	(1)
3.3	Wetlands	(1)
3.4	Food Web	(1)
3.5	Mixture	(1) (5)

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QUESTION 4

4.1	l Protein (1)
			- 4

- 4.2 Carbohydrates (1)
- 4.3 Fruits ($\frac{1}{2}$) and vegetables ($\frac{1}{2}$) = (1)
- 4.4 Fats (1)
- 4.5 Dairy products (1)

(5)

QUESTION 5

5.1	Producers	(1)
5.2	Carnivores	(1)
5.3	Grasshopper, Rabbit and Caterpillar	(1)
5.4	Any food chain from below	(2)

PRODUCER	PRIMARY CONSUMER	SECONDARY CONSUMER	TETIARY CONSUMER
Grass	Caterpillar	Snake	Hawk
Leaves	Caterpillar	Snake	Hawk
Grass	Caterpillar	Snake	Owl
Grass	Grasshopper	Blue jay	Owl
Leaves	Caterpillar	Snake	Owl

(5)

(5)

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(1)

SECTION B

QUESTION 6

6.1

	Insoluble: Substance that cannot dissolve in a liquid.	(1)
6.2	Change eating habits. Eat more fibre. Eat five portions of vegetables and fruits each day. Eat less fat. Drink a lot of water and exercise every day.	(1)
6.3	Sieving - Allows small object to pass through but larger objects will remain behind. Can be used to separate both solids and solid objects or solids and liquids.	(1)
	Filtering- Separates solids from liquid / only liquids can pass through.	(1) (8)
6.4	Steps on how you will conduct Natural Sciences processing skills.	(9)

Soluble: Substance that can dissolve in water.

Steps in the right order	LETTERS ONLY
Investigate- Ask questions of what you need to investigate / aim of the experiment.	STEP 1: H
Prediction - Statements about what you guess the results will be.	STEP 2: E
Plan your investigation- Decide on the materials, equipment as well as the method you will use.	STEP 3: B
Conduct your investigation- Follow the steps in your plan / method or instructions.	STEP 4: G
Record your findings - Record your observations or results.	STEP 5: F
Interpret data- Say what your findings means.	STEP 6: I
Draw conclusions- Determine whether your predictions were correct or incorrect.	STEP 7: A
Evaluate your investigation- Ask questions (What did I do well? What was not done well? How can I improve?)	STEP 8: D
Communicate your findings- Share your findings with others.	STEP 9: C

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QUESTION 7

		[18]
	7.1.4 Cooling- Gas to liquid	(1) (4)
	7.1.3 Cooling- Liquid to solid	(1)
	7.1.2 Heated- Solid to liquid	(1)
7.1	7.1.1 Heated- Liquid to gas	(1)

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SECTION C

QUESTION 8

EVALUATING AND ANALYSING

	TOTAL:	50
	8.6.2 To preserve them so they last longer. / To improve their nutritional value.	(1) (7)
8.6	8.6.1 To make them edible.	(1)
8.5	Onions- To change flavour and taste, contains iron.	(1)
8.4	Carrots- Vitamin A- good for eyesight.	(1)
8.3	Potato- Contains carbohydrates, provides energy.	(1)
8.2	Salt- For taste and balances water in the body.	(1)
8.1	Water- For digestion / reduces constipation.	(1)