



TOM NEWBY SCHOOL EXAMINATION
MEMORANDUM

Subject	Natural Sciences	Examiner	Miss van Copenhagen
Date	June 2019	Total marks	60
Grade	7	Duration	1 ½ hours
		Moderator	Mrs Fourie
Special instructions/ Equipment			
This assessment has been compiled using notes and information contained in the Tom Newby School resource material. The marking memorandum has been compiled accordingly. While alternative responses will be given due acknowledgement, the official memorandum will be considered a priority document to ensure uniformity of marking.			

Name:		Surname:		Class:	
QUESTION	ANSWER	MARK	LEVEL		
1	Choose the correct answer from the possible answers give in each statement. 1.1. C ✓ 1.2. D ✓ 1.3. B ✓ 1.4. C ✓ 1.5. D ✓	5	1		
2	Match the given information in Column B with the correct term in Column A. 2.1. C ✓ 2.2. E ✓ 2.3. D ✓ 2.4. A ✓ 2.5. B ✓	5	1		
3.1	Look at the image of the animal below and answer the questions about the image. 3.1.1. Scales. Dry ✓ 3.1.2. Cold-blooded. Its body temperature fluctuates according to the surroundings. It leaves the cold water to warm up in the sun when its body temperature drops or goes into the water to cool down when it is too hot. ✓✓ 3.1.3. Lungs. ✓ 3.1.4. Oviparous. Lays eggs. ✓ 3.1.5. Reptile. ✓	5	2		
3.2	Look at the image of a plant and answer the questions that follow. 3.2.1. Monocotyledons ✓ 3.2.2. Fibrous root ✓ 3.2.3. parallel veined leaves ✓ 3.2.4. Onion ✓ 3.2.5. 3,6,9 ✓	5	2		
4.1	Complete the following sentences by choosing the correct word/s in brackets. 4.1.1. fungi ✓ 4.1.2. amphibians ✓ 4.1.3. insects ✓	5	1		

	4.1.4. the immune system ✓ 4.1.5. cones ✓		
4.2	Fill in the missing words for the images or for the statements below. 4.2.1. penis ✓ 4.2.2. hormones ✓ 4.2.3. 13 years of age ✓ 4.2.4. Insert image of male body parts: ½ mark for each a. bladder ½ b. urethra ½ c. penis ½ d. testicles ½	5	1 / 2
5	Section B –Matter and material True or False – State whether the statements are True or False and correct them if they are False. 5.1. FALSE. The human tongue is an organ ✓ 5.2. TRUE ✓ 5.3. FALSE. It is through Filtration ✓ 5.4. TRUE ✓ 5.5. FALSE. A solid changes into a liquid. ✓	5	1 / 2
6	Give one word to describe the following: 6.1. materials ✓ 6.2. silver ✓ 6.3. Acids ✓ 6.4. insulators ✓ 6.5. aluminium or tin ✓	5	1 / 2
7	Answer the questions on mixtures and methods of physical separation: 7.1. Lemon-squash mixture. It has a sweet-bitter taste. It is soluble in water. ✓✓✓ 7.2. At 100 ° C ✓ 7.3. An impure substance, e.g. salt and rice are two substances with different physical properties. ✓ 7.4. A magnet or an electromagnet in industries. ✓ Filtration can be used Periodic table images and questions: 7.5.1. non-metals, metals, inert gases ✓ 7.5.2. helium ✓ 7.5.3. In party balloons ✓ 7.5.4 a) Hydrogen = H ✓ b) Magnesium = Mg ✓ c) Li = Lithium ✓ d) B=Boron ✓	12	1 / 2 / 3

8	<p>Look at pictures below of pollution and recycling and answer the questions:</p> <p>8. 1.Exhaust fumes from vehicles cause air pollution and destroy the ozone layer. ✓</p> <p>8. 2. People get sick example bronchitis, cancer etc.✓</p> <p>8. 3. Plastic can block drains. Blocked drains causes floods. Plastic in rivers and dams, kill the fish. It contaminates the soil and affects us when dumped onto landfill sites(rubbish dumps) ✓✓</p> <p>8. 4. 1000 years ✓</p> <p>8. 5. Recycling involves putting waste materials through a process to create new products. Taking old materials and making it new. ✓✓</p> <p>8. 6. We can pick up papers. We can sort materials into different bins, e.g. plastic, paper and glass bins at school. We can sort out boxes of different sizes at school and recycle them and get Ronnie recyclers or a recycling scheme to pick it up weekly and we can put it into different recycling bags. ✓</p>	8	2 / 3
	Total: 60 marks		