



TOM NEWBY SCHOOL EXAMINATION

MEMORANDUM



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Subject	Natural Sciences	Examiner	Mr Hudson, Mrs Fourie
Date	4 June 2018	Total marks	60
Grade	7	Duration	1 ½ hours
		Moderator	Miss Mpesu
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. C ✓ 2. C ✓ 3. B ✓ 4. D ✓ 5. A ✓	5	1		
2	Match the given information in Column B with the correct term in Column A. 1. C ✓ 2. E ✓ 3. D ✓ 4. A ✓ 5. B ✓	5	1		
3.1	Look at the image of the animal below and answer the questions about the image. 1. Moist and slimy ✓ 2. Cold-blooded. It can stay near or in water and has a lower body temperature to adapt to cold areas. ✓✓ 3. Gills when they are tadpoles and lungs when they are adult frogs. ✓ 4. Webbed feet. Four limbs which are legs to jump and hop across land. ✓ 5. A frog is an amphibian. ✓	5	2		
3.2	Look at the image of a plant and answer the questions that follow. 1. Dicotyledon ✓ 2. Taproot ✓ 3. net-veined leaves ✓ 4. A rose plant ✓ 5. 4 / 5 multiples of flowers ✓	5	2		
4.1	Complete the following sentences by choosing the correct word/s in brackets. 1. petals ✓ 2. reptiles ✓ 3. nitrogen ✓ 4. the immune system ✓	5	1		

	5. cones ✓		
4.2	<p>Fill in the missing words for the images or for the statements below.</p> <p>1. 9 months ✓ 2. metamorphosis ✓ 3. foetus ✓</p> <p>Insert image of male body parts: ½ mark for each</p> <p>1. bladder ½ 2. urethra ½ 3. penis ½ 4. testicles ½</p>	5	1 / 2
5	<p>Section B –Matter and material True or False – State whether the statements are True or False and correct them if they are False.</p> <p>1. FALSE. They can bend easily without breaking. ✓ 2. TRUE ✓ 3. FALSE. It is through Evaporation ✓ 4. TRUE ✓ 5. FALSE. A solid changes into a liquid. ✓</p>	5	1 / 2
6	<p>Give one word to describe the following:</p> <p>1. materials ✓ 2. silver ✓ 3. bases ✓ 4. insulators ✓ 5. aluminium or tin ✓</p>	5	1 / 2
7	<p>Answer the questions on mixtures and methods of physical separation:</p> <p>1. Colgate toothpaste : It is a base. It has a minty taste. It is soluble in water. ✓✓✓ 2. At 100 ° C ✓ 3. An impure substance, e.g. salt and rice are two substances with different physical properties. ✓ 4. A magnet or an electromagnet in industries. ✓</p> <p>Periodic table images and questions:</p> <p>5. non-metals ✓ 6. calcium ✓ 7. Alkaline or alkali metal ✓ 8. Ca 20 ✓ 9. Your body uses 99% of its calcium to keep your bones and teeth strong. It also supports the skeletal structure and function. ✓ 10 a) Boron = B ½ b) Iodine = I ½ c) He = Helium ½</p>	12	1 / 2/ 3

	d) Pb = Lead ½		
8	<p>Look at pictures below of pollution and recycling and answer the questions:</p> <p>1. Exhausts and fuel in cars or trucks or the ozone layer is causing air pollution. ✓</p> <p>2. It kills sea-animals, e.g. seals. Oil gets stuck to their bodies. ✓</p> <p>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>4. 1000 years ✓</p> <p>5. Recycling involves putting waste materials through a process to create new products. Taking old materials and making it new. ✓✓</p> <p>6. We can pick up papers. We can sort materials into different bins, e.g. plastic, paper and glass bins. We can sort out our rubbish at home and put it into different recycling bags. ✓✓</p>	9	2 / 3
	Total: 60 marks		