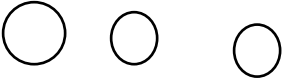


NS-TECH GRADE 4**MEMORANDUM END OF 14 NOVEMBER YEAR END EXAM 2018**

<u>QUESTION</u>	<u>ANSWER</u>	<u>LEVEL</u>
<u>Question 1</u>		
1. Which one is the end consumer in the food chain?	C – Hawk ✓	1
2. Which one is an energy producer?	C – Hawk ✓	1
3. Which one is a source of sound energy?	B – Loud speaker ✓	1
4. Noise pollution can be caused by _____	D – Blowing horns of a truck ✓ A – how high or low a sound is ✓	1
5. Pitch is _____		1
<u>Question 2 – True or False</u>		(5)
1. Sound occurs when something vibrates	True ✓	
2. All machines need input energy to work	True ✓	1
3. Musical instruments produce light energy	False ✓	1
4. Noise and sound pollution are the same	True ✓	1
5. Indigenous musical instruments of Zambia are found in Zimbabwe	False ✓	1
6. There are 9 planets in the solar system.	False ✓	1
<u>Question 3 – Match column A & B</u>		(6)
1. Volume	C. How loud or soft a sound is ✓ A. What is needed for things to happen ✓	1
2. Energy	E. To move to and from a place with fast movements ✓	1
3. Vibrate	B. Stretch a string and let it go ✓	1
4. Pluck	D. A form of energy ✓ 1C 2A 3E 4B 5D	1
5. Heat		1
		1
		(5)

<p>Question 4 – Complete sentences</p> <p>1. Earth moves around the</p> <p>2. Earth is one of the 8</p> <p>3. Each living thing on Earth has its own – where it lives</p> <p>4. The layer of air around the Earth is called</p> <p>5. The _____ are large pieces of land on the surface of the Earth</p>	<p>Sun ✓</p> <p>Planets ✓</p> <p>Habitat ✓</p> <p>Atmosphere ✓</p> <p>Continents ✓</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>(5) (20)</p>
LEVEL 2 – Question 5		
<p>1. Write down two differences between the moon and the Earth</p> <p>2. The moon orbits around the Earth while the Earth orbits around the _____</p> <p>3. What creates the phases of the moon?</p> <p>4. Draw and label moon, sun and Earth from biggest to smallest</p>	<p>- Moon has no life. - Moon does not produce its own light. - Earth has life - Moon orbits Earth, Earth orbits the Sun - Earth has an atmosphere - Moon doesn't have an atmosphere ✓ ✓ (accept anything true)</p> <p>Sun ✓ ✓</p> <p>- The reflection of the sun on the moon - Only the side facing the sun shows ✓</p> <p></p> <p>Sun ✓ Earth ✓ Moon ✓</p>	<p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>(7)</p>

<p>Question 6 <u>Compare the Sun and Earth</u></p> <p><u>The Earth</u></p> <ol style="list-style-type: none"> The Earth is made up of water and land The Earth is a planet The Earth has an atmosphere The Earth has living things The Earth orbits around the sun Is part/is not the centre of the solar system The Earth does not produce its own heat and light, but gets it through radiation from the Sun 	<p><u>The Sun</u></p> <p>The sun is a big ball of burning gas The sun is a star The sun has no atmosphere The sun has no living things on it – too hot. The sun does not orbit The sun is the centre of the solar system The sun produces heat and light</p>	<p>(6x1=6) (14)</p>
<u>LEVEL 3 – Question 7</u>		
<ol style="list-style-type: none"> Why is the Earth called the blue planet? What is the surface of the Earth made of? What is the Atmosphere? Why is the atmosphere important for life on earth? Explain the difference between an island and a continent Explain why the Sun is important to Earth 	<p>Most of the Earth is covered in water and water looks blue ✓ The surface of the Earth is made of water and land ✓</p> <p>Atmosphere is a layer of air around the earth ✓</p> <p>Living things on Earth need air and the atmosphere has air ✓</p> <p>An island is a small piece of land surrounded by water and a continent is a big piece of land ✓</p> <ul style="list-style-type: none"> - Provides heat & light - Living things eat, plants need the sun to make their own food and most animals eat plants ✓ 	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>(6)</p>

Total: 40