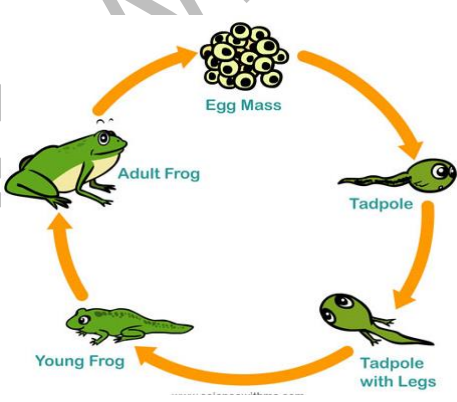





TOM NEWBY SCHOOL
NS /TECH GRADE 5
JUNE 2022 MEMORANDUM



Question	Answer	Mark	Level
1.	<p>1.1 Freshwater Habitat✓ 1.2 dragonfly✓ 1.3 Any 2: The duck, the bird, the frog, the fish✓ 1.4 The Sun and the water✓✓ 1.5 The water lilies have broad leaves and can float on water✓✓ 1.6. egg mass✓ tadpole ✓ tadpole with legs✓ young frog✓ adult frog✓ correct drawing✓</p> 	14	1 2 3

2.	2.1 True✓ 2.2 True✓ 2.3 True✓ 2.4 False✓ 2.5 False✓ 2.6 False ✓ 2.7 False ✓ 2.8 True ✓	8	1
3.	3.1 The grass✓ 3.2 Carnivore✓ 3.3 The grasshopper or the frog ✓ 3.4 There will be an overgrowth of the grass. ✓ The frogs will starve, and they will Eventually die ✓✓ 3.5 carrots → rabbit → fox → lion ✓✓✓✓	10	1 3 4
4.	4.1 G✓ 4.2 H ✓ 4.3 F✓ 4.4 C✓ 4.5 D✓ 4.6 E✓ 4.7 A ✓ 4.8 B ✓	8	1

5.	<p>Any order:</p> <p>5.1 Metals are mined from the Earth. ✓</p> <p>5.2 Metals are shiny. ✓</p> <p>5.3 Most metals are hard and feels heavy. ✓</p> <p>5.4 Metals are malleable ✓</p> <p>5.5 Metals can be heated to high temperatures without melting or changing their shape, which is one of the reasons why pots and pans are made of metal. Or Metals conduct electricity very well. ✓</p> <p>5.6 Metals can be drawn into thin wires. We say they are ductile. ✓</p>	6	4
6.	<p>6.1 Nylon and polyester ✓✓</p> <p>6.2 Any 2</p> <p>1. Concrete is very strong, hard, and durable.</p> <p>2. When it is dry it is waterproof.</p> <p>3. Many buildings are made using concrete.</p> <p>4. Towers of power stations and silos for keeping grain are built of concrete.</p> <p>5. Concrete pillars, reinforced with iron, are used to hold up parts of roofs.</p> <p>6. Thick water pipes are made of a hard, strong concrete mixture ✓✓</p>	10	1 3

	<p>6.3 (Any 2 mentioned of the following answers)</p> <ol style="list-style-type: none"> 1. When mixed with water, it can be malleable and moulded into different shapes. 2. Hardened plaster is water resistant and fire resistant. 3. The soft board used as ceilings in buildings contains sheets of plaster of Paris. 4. Dentists make casts of a patient's gums, using soft plaster of Paris. 5. Bandages can be soaked in plaster of Paris, mixed with water, and wound around a broken arm or leg. 6. It is used to make works of art. 7. It can be used to fill cracks in walls, just like Polyfilla. ✓✓ 		
7	<p>7.1</p>  <p>1 mark for the correct drawing ✓ 1 mark for correct colour indication ✓ 1 mark for North Pole ✓ 1 mark for South pole ✓</p> <p>7.2 Nickel ✓ cobalt ✓ iron ✓ steel ✓</p>	8	1 3