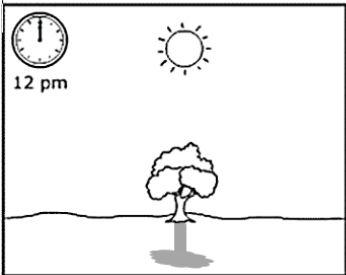
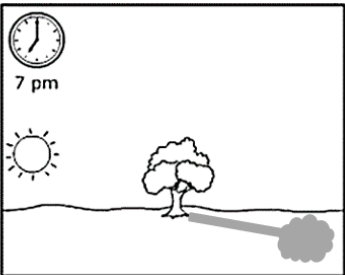
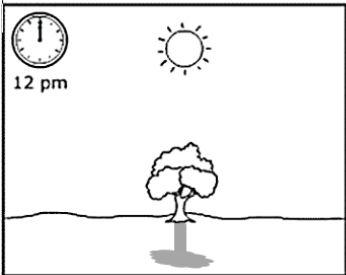
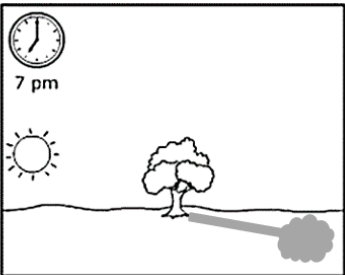
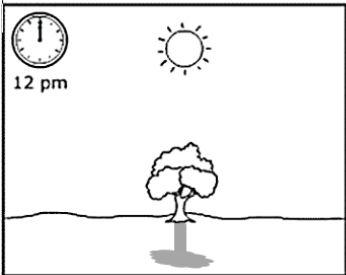
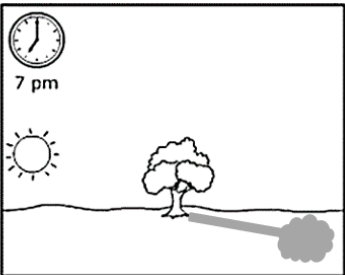


DEPARTMENT FOR CURRICULUM,
LIFELONG LEARNING AND EMPLOYABILITY
Educational Assessment Unit

Annual Examinations for Primary Schools 2024

YEAR 4	SCIENCE	MARKING SCHEME
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Q no.	Answers and Requirements	Marks	Additional Guidance
1 a) i.	fruit leaf stem	3	c.a.o.
ii.	Tick (✓) the correct sentence: Roots absorb water and minerals.	1	c.a.o.
b)	Circle only:  water  sunlight  air	3	c.a.o. 1 mark for each correct answer. Do not award any marks if more than 3 answers are circled.
c)	Circle only:  Thyme  Cape Sorrel  Carob tree Saghtar Qarsu Harruba	3	c.a.o. 1 mark for each correct answer. Do not award any marks if more than 3 answers are circled.
2 a)	plant → beetle → mouse → owl	4	c.a.o. 1 mark for each correct answer in the correct order.
b)	energy	1	c.a.o.
c) i.	Producer: plant	1	c.a.o.
ii.	Consumer: beetle/mouse/owl	1	c.a.o.
3 a)	Tick (✓): carrots, apples, chicken, peas, tomatoes.	5	c.a.o. 1 mark for each correct answer. Do not award any marks if more than 5 answers are ticked.

b)	<table><tr><th></th><th>Example of Good Hygiene Practice</th><th>True</th><th>False</th></tr><tr><td>i.</td><td>Wash your hands.</td><td>✓</td><td></td></tr><tr><td>ii.</td><td>Make sure chicken is not undercooked.</td><td>✓</td><td></td></tr><tr><td>iii.</td><td>Store uncooked meat on the kitchen counter.</td><td></td><td>✓</td></tr><tr><td>iv.</td><td>There is no need to wash fruit and vegetables.</td><td></td><td>✓</td></tr><tr><td>v.</td><td>Clean the chopping board and other surfaces after each use.</td><td>✓</td><td></td></tr><tr><td>vi.</td><td>Separate uncooked and cooked meats.</td><td>✓</td><td></td></tr></table>		Example of Good Hygiene Practice	True	False	i.	Wash your hands.	✓		ii.	Make sure chicken is not undercooked.	✓		iii.	Store uncooked meat on the kitchen counter.		✓	iv.	There is no need to wash fruit and vegetables.		✓	v.	Clean the chopping board and other surfaces after each use.	✓		vi.	Separate uncooked and cooked meats.	✓		5	c.a.o. 1 mark for each correct answer.
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vi.	Separate uncooked and cooked meats.	✓																													
c)	Tick (✓): mixture	1	c.a.o.																												
4 a)	<table><tr><td></td><td></td></tr></table>			2	c.a.o. 1 mark for each correct answer. Do not award any marks if the shadow is not in the correct position. Accept straight line and a circle or a straight line to represent the shadow.																										
																															
5 a)	Tick (✓) the correct box: Circuit A	1	c.a.o.																												
b)	Tick (✓) the correct box: <table><tr><th>Circuit A</th><th></th><th>Circuit B</th><th></th></tr><tr><td>glass</td><td>☐</td><td>plastic</td><td>☒</td></tr><tr><td>iron</td><td>☒</td><td>aluminum</td><td>☐</td></tr><tr><td>rubber</td><td>☐</td><td>gold</td><td>☐</td></tr></table>	Circuit A		Circuit B		glass	☐	plastic	☒	iron	☒	aluminum	☐	rubber	☐	gold	☐	1 1	c.a.o. c.a.o.												
Circuit A		Circuit B																													
glass	☐	plastic	☒																												
iron	☒	aluminum	☐																												
rubber	☐	gold	☐																												
c) i.	Write the word conductor and insulator in the boxes below. 	1 1	c.a.o. c.a.o.																												
6	I use my hands and skin to <u>feel/touch</u>. I use my eyes to <u>see</u>. I use my nose to <u>smell</u>. I use my ears to <u>hear</u>.	4	c.a.o.																												
7 a)	Name the two planets (planet A and planet B) that are missing. i. Planet A: <u>Venus</u> ii. Planet B: <u>Jupiter</u>	1 1	c.a.o. c.a.o.																												

b)	Accept any of the following answers: • Earth is a rocky planet and Saturn is a gas giant. • Earth is smaller than Saturn. • Earth has one moon but Saturn has more/145 moons. • Earth has no rings but Saturn has rings. • Earth has a mild temperature, but Saturn has an average temperature of -140°C/a very cold temperature. • There is life on Earth. • Earth has a bluish, white-green colour and Saturn has yellow-brownish colour/Earth and Saturn have different colours. • One year for Earth is approximately 365 days and 6 hours but a Year for Saturn is approximately 29.4 (Earth) years/reference to distance from the Sun. • One day on Earth is approximately 24 hours but a day on Saturn is approximately 10.5 hours.	1	Accept any other valid answer as long as there is a valid comparison (seen or implied) between Earth and Saturn.																
c)	Tick (✓) True or False in the correct column. <table><tr><td></td><td></td><td>True</td><td>False</td></tr><tr><td>i.</td><td>There are 5 rocky planets in our Solar System.</td><td></td><td>✓</td></tr><tr><td>ii.</td><td>Mars is known as the blue planet.</td><td></td><td>✓</td></tr><tr><td>iii.</td><td>Copernicus noticed that the planets orbit the sun.</td><td>✓</td><td></td></tr></table>			True	False	i.	There are 5 rocky planets in our Solar System.		✓	ii.	Mars is known as the blue planet.		✓	iii.	Copernicus noticed that the planets orbit the sun.	✓		1 1 1	c.a.o. c.a.o. c.a.o.
		True	False																
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ii.	Mars is known as the blue planet.		✓																
iii.	Copernicus noticed that the planets orbit the sun.	✓																	
8 a)	Complete the table below by drawing the missing weather symbols. <table><tr><td>Weather description</td><td>Weather Symbol</td></tr><tr><td>Sunny</td><td></td></tr><tr><td>Cloudy</td><td></td></tr></table>	Weather description	Weather Symbol	Sunny		Cloudy		1 1	c.a.o. Accept any valid representation of the sun for sunny weather and clouds/ clouds with the sun for the cloudy weather.										
Weather description	Weather Symbol																		
Sunny																			
Cloudy																			
b)	i. The month having most sunny days is <u>July</u> ii. The month having most windy days is <u>November</u>	1 1	c.a.o. c.a.o. Do not accept number of days.																
c) i.	i. Complete the table below. <table><tr><td>Highest air temperature</td><td>Month</td></tr><tr><td>20°C</td><td><u>November</u></td></tr><tr><td>38 °C</td><td><u>July</u></td></tr></table>	Highest air temperature	Month	20°C	<u>November</u>	38 °C	<u>July</u>	1 1	c.a.o. c.a.o. Do not award marks if the unit degrees Celsius is not included.										
Highest air temperature	Month																		
20°C	<u>November</u>																		
38 °C	<u>July</u>																		

c) ii.	ii. Complete the table below. <table><tr><td>Highest air temperature</td><td>Month</td></tr><tr><td>32°C - 43°C</td><td>August</td></tr><tr><td>8°C - 17°C</td><td>February</td></tr></table>	Highest air temperature	Month	32°C - 43°C	August	8°C - 17°C	February	1 1	1 mark for each correct estimate. Consider any temperature from the estimated range in the table, plus or minus 2 degrees on each end of the range.										
Highest air temperature	Month																		
32°C - 43°C	August																		
8°C - 17°C	February																		
9 a) i.	Tick (✓) Slide B: ☒	1	c.a.o.																
ii.	Accept any of the following answers: - When sliding down a metal slide, you may experience a faster descent compared to a rubber or wooden slide due to differences in friction. - Metal surfaces have lower/less friction/smoothen/more slippery than wooden and rubber surfaces. - Metal has a smooth surface, but rubber and wood does not. Do not accept because metal is shiny.	1	Accept any other valid answer.																
b)	Underline the correct word in each sentence. i. A rusty slide is (a reversible, <u>an irreversible</u>) change. ii. A wet playground is a (<u>reversible</u>, irreversible) change.	2	c.a.o.																
c)	i.Tick (✓) the correct column. <table><tr><td></td><td>Material</td><td>Man-made</td><td>Natural</td></tr><tr><td>i.</td><td>Plastic</td><td>✓</td><td></td></tr><tr><td>ii.</td><td>Iron</td><td></td><td>✓</td></tr><tr><td>iii.</td><td>Wood</td><td></td><td>✓</td></tr></table>		Material	Man-made	Natural	i.	Plastic	✓		ii.	Iron		✓	iii.	Wood		✓	3	c.a.o. 1 mark for each correct answer.
	Material	Man-made	Natural																
i.	Plastic	✓																	
ii.	Iron		✓																
iii.	Wood		✓																

c.a.o. = correct answer only