

Answer Key

YEAR: 2021

LEVEL : PRIMARY 5

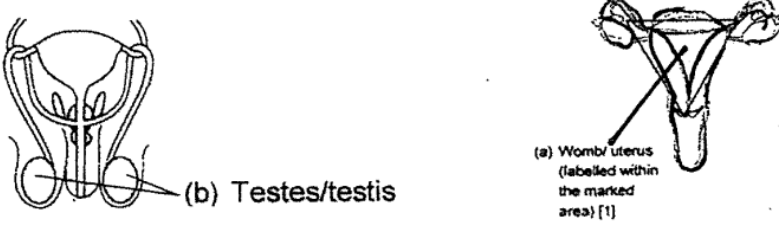
SCHOOL : TAO NAN

SUBJECT : SCIENCE

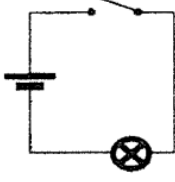
TERM : SA2

BOOKLET A

Q1	4	Q2	2	Q3	2	Q4	3	Q5	2
Q6	4	Q7	1	Q8	2	Q9	3	Q10	2
Q11	1	Q12	2	Q13	4	Q14	2	Q15	1
Q16	4	Q17	2	Q18	2	Q19	3	Q20	2
Q21	4	Q22	3	Q23	3	Q24	3	Q25	2
Q26	3	Q27	3	Q28	2				

29a	
29c	Ovary
30a	By animals
b	<p>The animals eat the fruit swallowing the seeds (c). The seeds are then passed out in their droppings (e1) away from the parent plant (e2).</p> <p>or</p> <p>The animals eat the fruit (c) and then throws the seeds (e1) away from the parent plant (e2).</p>
c	It increases the chance of the seeds germinating into new plants.
31a	Animal S does not have a 3-stage life cycle but animal T has a 3-stage life cycle. ("T is a 4-stage life cycle" is not based on the flowchart.)
b	<p>Any 2 characteristics:</p> <ul style="list-style-type: none"> - has a 3-stage life cycle - lays eggs - spends part of its life cycle in water
c	U
32a	Plant cell: P, R Animal cell: Q
b	Chloroplast/ cell wall
c	Organism S has chloroplast to help it make food.
33a	<p><u>Explanation on presence of warmer water vapour</u> Water vapour in the air gained heat from the hot water. OR The hot water evaporated into water vapour.</p> <p><u>Explanation on Temperature difference & Condensation</u> The water vapour touches the cooler surface of the mirror loses heat and condenses into water droplets.</p>

b	Letting down her hair increases the exposed surface area of the wet hair/ water in the hair to the surroundings. This increases the rate of evaporation of water . (Must make mention of water or wet hair)															
c	Windspeed: High Temperature: High															
34a	Evaporation takes place at any temperature but boiling takes place at a fixed temperature/ boiling point. (Do not state 100 °C unless mention water)															
b	Water vapour															
c	Process Z															
d	<table border="1"> <thead> <tr> <th></th> <th>Activity</th> <th>Reduce</th> <th>Reuse</th> <th>Recycle</th> </tr> </thead> <tbody> <tr> <td>(i)</td> <td>Turning off the tap when brushing teeth.</td> <td style="text-align: center;">✓</td> <td></td> <td></td> </tr> <tr> <td>(ii)</td> <td>Treating sewage water so that it can be used to wash our hands.</td> <td></td> <td></td> <td style="text-align: center;">✓</td> </tr> </tbody> </table>		Activity	Reduce	Reuse	Recycle	(i)	Turning off the tap when brushing teeth.	✓			(ii)	Treating sewage water so that it can be used to wash our hands.			✓
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35a	Distance between the jacket and the torch/ light sensor OR Brightness of the torch															
b	Jacket C. C reflects the most light (c) so drivers can see him most clearly (e). (Comparison)															
36a	As the height above sea level increases (decreases), the percentage of oxygen in the air decreases (increases).															
b	There is less oxygen in the air (c) hence, a person has to breathe faster to take in sufficient oxygen (e).															
c	C															
d	The heart rate starts to decrease at C because less oxygen and less food are sent to all parts of the body.															
37																
38a	Iron/ nickel/ steel/ cobalt															

b	<p>Explanation on the circuit When the switch is closed, there is a closed circuit/ electricity can flow through the circuit (c1).</p> <p>Explanation on the magnetic attraction of P The iron bar becomes an electromagnet (e1) which would attract metal ball P (c1) as P is a magnetic material (e2)</p>
c	<p>Increase the number of coils of wire around the iron bar. or Increase the number of batteries used.</p>
39a	<p>Correct symbols – bulb, open switch. Correct sequence of arrangement of bulb, switch and wires. No gaps</p> 
b	<p>To find out how the number of batteries affect the brightness of the bulb OR To find out how many batteries will be needed to fuse a bulb.</p>
c	<p>The bulb fused/ was blown.</p>
40a	<p>L, K, M, J</p>
b	<p>Any of the following: Placed cloth/bubble wrap around the tank. Placed the set-up at a location with a higher room temperature. Heated the tank of water using a burner Crush the ice. (increase ESA) Used more water at 80°C (more heat energy)</p>
c	