

ANSWER KEY

SCHOOL : RED SWASTIKA PRIMARY SCHOOL

LEVEL : PRIMARY 6

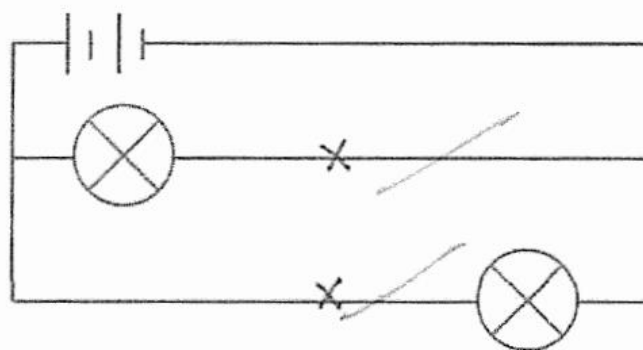
SUBJECT : SCIENCE

TERM : 2021 SA1

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

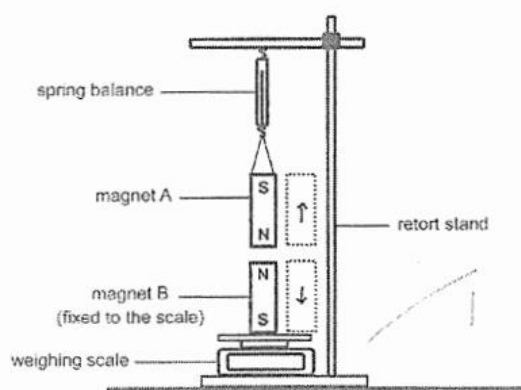
Q29	a) Ovary b) As the number of eggs laid increases, there would be more organism A and more adult organism A would harm more of flower Z.
Q30	a) It is light. b) As it is higher up in the air, the chances of it landing further away from the parent tree is higher, preventing overcrowding.
Q31	a) Leaves of plant K would take in sunlight and make food during photosynthesis and the food would be transported down the food – carrying tubes for the roots. b) As plant J's roots are longer than plant K's, plant J is able to absorb water better in soil Q for photosynthesis.
Q32	a) As the depth in the soil increases, the temperature measured decreases.

	<p>b)It helps animal P to find its way out of the tunnel and helps it find food through the sound of the animal.</p> <p>c)Stay away from predators that is looking animal P and keeps it from being hot.</p>
Q33)	<p>a)Reason 1: It have stinging needles that protect organism Q from organism R.</p> <p>Reason 2:</p> <p>b)The population of organism R would decrease. As most plant X die, there will be insufficient food for organism Q, resulting in the population of organism Q decrease and would affect organism R as it had less one animal to eat.</p>
Q34)	<p>a)Carbon dioxide.</p> <p>b)The amount of oxygen would decrease quickly. As the cupboard is dark, the leaves would respire and the plant would take in oxygen and release carbon dioxide.</p> <p>c)Plant A: It will take in sunlight and carbon dioxide to make food. Young of organism P : It will feed on the green leaves of the plant.</p>
Q35)	<p>a)Evaporation.</p> <p>b) The plates in diagram 2 would have more exposed surface area than the plates in diagram 1 as there is spacing inbetween the plates.</p> <p>c) The use of a fan would decrease the time taken for the plates to dry. As there is both a larger surface area and wind, the plates would dry faster and more water droplets will evaporate and turn into water vapour, thus a fan would make the plates dry faster.</p>
Q36)	<p>a)copper</p> <p>b)It is able to conduct electricity from the car's circuit.</p> <p>c)When one bulbs fuses, the other would still be able to work and electric current would still flow through the bulb that is working and when it is a closed circuit.</p> <p>d)</p>



Circuit A
(improved design)

Q37) a)



b) 100g

c) Make the magnets stronger.

d) Stronger magnets mean stronger repulsion, causing the weight to increase.

Q38) a) Gravitational force.

b) i) North ii) South

c) Solution: Add lubricant to the pivot.

Explanation: The squeaky sound is caused by friction in the pivot and adding lubricant would reduce the friction.

Q39) a) The temperature of air in both flasks.

b) As set-up A has a stopper while set-up B does not.

c) As air is a bad conductor of heat, covering the basket will allow the heat to be trapped in the basket, allowing the food to stay warm longer.

Q40)	<p>a) potential -> kinetic</p> <p>b) As higher potential energy will lead to higher heat energy. As hot air rises, the lantern will rise faster, causing the kinetic energy to increase, making the lantern rise faster.</p>
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