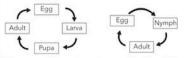
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1	2	6	2	11	3	16	3	21	3
2	4	7	3	12	2	17	3	22	4
3	2	8	1	13	2	18	3	23	4
4	1	9	1	14	4	19	2	24	1
5	3	10	3	15	2	20	4	25	2

Q26a



- b The young of the cockroach resembles the adult cockroach.
 - c The larval stage. It moults to shed its skin to accommodate its bigger body.
- Q27a A, C, B, D
 - **b** Air (oxygen), water and warmth.

c



RODUCE WITHOUT

- Q28a Dimples and detached ear lobes.
 - b Small eyes.
- Q29a A: Gas/Gaseous State
 - B: Liquid
 - b The water in Dish X gained heat from the flame to boil to form steam, causing the volume of water to decrease.
 - The water in Dish X gained heat from the flame to boil to form steam. The warmer steam rose and lost heat to the cooler underside of the metal tray and condensed to form water droplets on it.
 - d Place ice on the metal tray.

 Increase the size of the metal tray.

*Accept any other reasonable answer that would increase the rate of evaporation of water or condensation of water vapour.

- Q30a Set-up X
 - b The exposed surface area of the towels.
 - The mass of Towel Z after 8 hours. The mass of Towel Z soaked in 100ml of water would weigh 250g at the start of the experiment. Since some water in Towel Z would evaporate, the mass of Towel Z after 8 hours would be less than 250g.



Q31a	Object R. When the north pole of the bar magnet was brought near both X and Y
Access and an	of Object R, it remained still. This shows that Object R is a non-magnetic material
	and is made of glass.

- b Object Q is made of a magnetic material, such as Iron. When the north pole of the bar magnet was brought near the both X and Y of Object Q, it was attracted to the magnet.
 - c Objects P and S. Only like poles of magnets facing each other would repel. Since Objects P and S were able to repel the north pole the bar magnet, they must be magnets too.
- Q32a B: Gullet
 - E: Small intestine
 - b Digestive juices. The digestive juices break down food into simpler substances.
 c Part D absorbs excess water and minerals from undigested food.
- Q33a Kelvin inhaled air through his nose. The oxygen in the air enters the air sacs, which is absorbed into the bloodstream through the lungs. The oxygen is then transported by the circulatory system to the arms, which is used in the process of respiration to release energy.
- **b** Oxygen and digested food.
- Q34a Cells A and C. They both have a cell wall to give the cells a regular shape, which is only present in plant cells.
 - b Cell C.



-Cell membrane

Q35a



B LEARNING CENTRE

- b i) Bulbs 1 and 3 would still light up.
 - ii) Place a switch beside each of the bulbs arranged in parallel.

Q36a

	Lose heat	Gain heat	Temperature increases	Temperature decreases
Water in Container A		J	J	
Water in container B	J			J



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b	- 10 1110 001 11101 11101 10 0 001101 0011000101 01					
SÁ	Statements 1,2,5 COPY FOR REFERENCE V V TREPRODUCE WITHOU					
37a	Y, X, Z					
b	Choose: Ball Y would cause a deeper depth of depression to form.					
	Use Data: Ball Y has a larger mass than Ball C.					
	Explain Data: Thus, Ball Y would possess more gravitational potential energy,					
	which is converted to more kinetic energy and land on the sand with a greater					
	force/impact.					
Q38a	Method 1:					
	Increase the amount of water flowing out from the water source.					
	Method 2:					
ЫE.	Increase the distance between the water source and the water wheel.					
	Kinotic operay					

