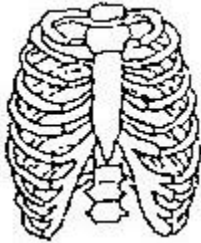


ICAS Science Paper B

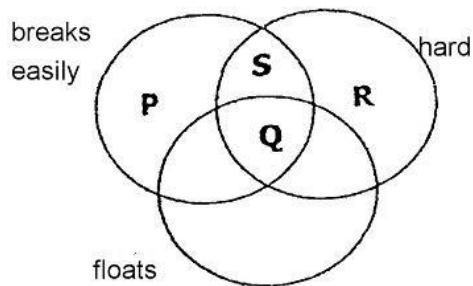
Sample paper

1. Which organs are protected by the rib cage?



- A. Heart and lungs
- B. Stomach and lungs
- C. Kidneys and heart
- D. Stomach and kidneys

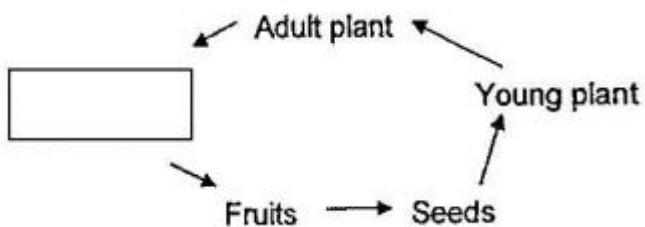
2.



In which group would a heavy piece of glass belong?

- A. P
- B. Q
- C. R
- D. S

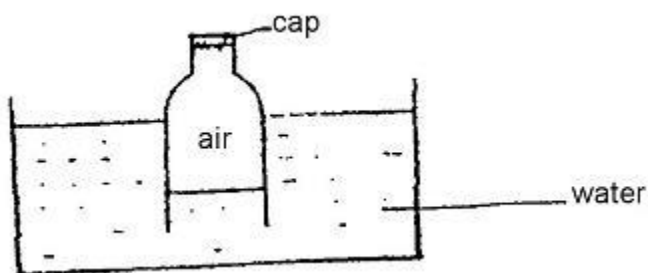
3. The diagram below shows the life cycle of a tropical plant.



Which of the following could be placed in the box?

- A. Root
- B. Leaf
- C. Buds
- D. Flowers

4. Sally saw an experiment conducted in the laboratory. She saw the following.



What does the experiment show?

- A. air is cooler than water
- B. water has mass
- C. air has mass
- D. air occupies space

5. Jack classified some food items into a table.

Group A	Group B
sugar	Lime
Candy	Lemon
Lollipop	Vinegar

According to what criterion has Jack classified the food items?

- A. Shape
- B. Taste
- C. Size
- D. Texture

6. Which of the measuring glass containers will be the best to measure an amount of water?



- A
 - B
 - C
 - D
1. A
 2. B
 3. C
 4. D

7. Harry wanted to find out the effect of temperature on the rate of evaporation of water. He set up the following:

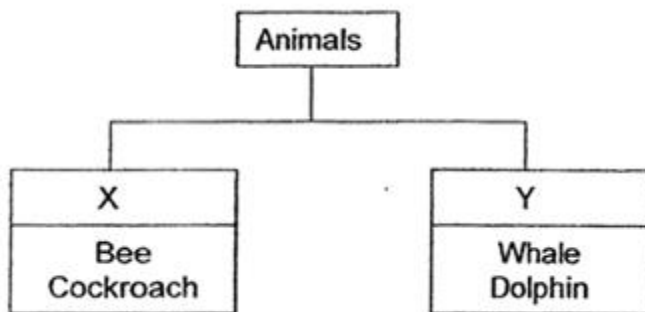
Set-up	Volume of water at the start if the experiment (ml)	Exposed surface area of container (cm ²)	Temperature (°C)
A	100	50	40
B	100	70	80
C	100	70	40
D	150	50	80

Source: oldschoool.com

Which two set-ups can he use to conduct a fair experiment?

- A. B and C
- B. A and B
- C. A and C
- D. C and D

8. Look at the classification chart below.

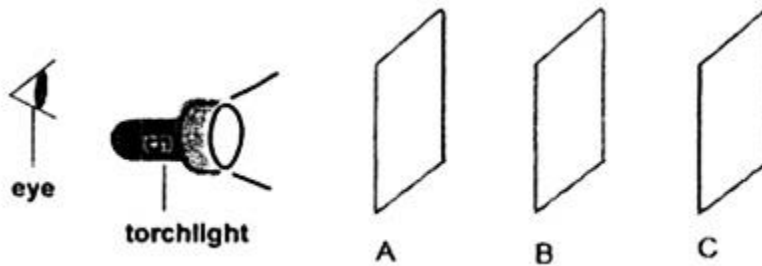


Source: oldschoool.com

Which of the following represents X and Y?

	X	Y
A ———	Have feathers	Have scales
B ———	Lay eggs	Gives birth to young alive
C ———	Breathe through lungs	Breathe through gills
D ———	Hard outer covering	Have scales

9. Beth set up the following experiment to study the capacity of three materials, A, B and C, in allowing light to pass through.



Source: oldschool.com

Beth could see the light from the torch on Object B but not on Object C. Which of the following are the most likely materials for objects A and B?

	A	B
A _____	tracing paper	frosted glass
B _____	cardboard	clear glass
C _____	clear glass	cardboard
D _____	clear plastic sheet	tracing paper

10. In the table below, different forms of energy and the examples of sources of energy are shown. Which one of the following is incorrect?

	Form(s) of energy	Examples of sources of energy
A _____	Heat	Rubbing hands
B _____	Light	Moon
C _____	Solar	Sun
D _____	Heat and light	Lighted candle



Answers

1. A
2. D
3. D
4. D
5. B
6. A
7. A
8. B
9. C
10. B