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SCIENCE

Term 4 Revision

P5 SCIENCE

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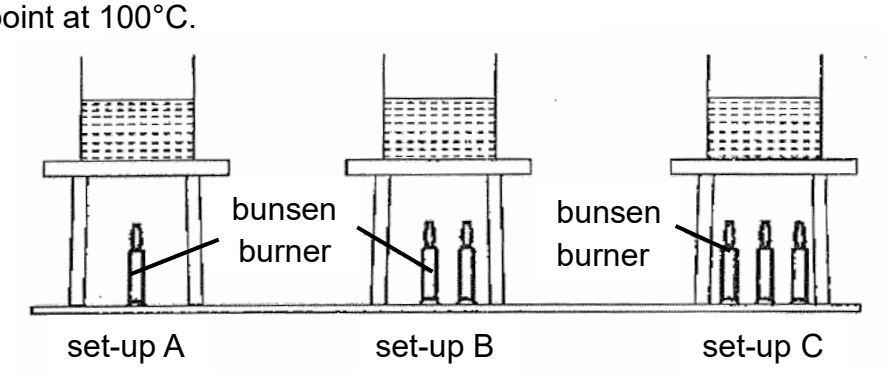
Booklet A: Multiple Questions

1. Claire set up an experiment as shown below. The beakers in set-ups A, B and C contained 200 ml of water at 30°C. She then heated the water in each beaker till boiling point at 100°C.



Which of the following statement(s) is/are correct after the water in all the set-ups have boiled?

A The water in set-up C has the most heat energy.
B The amount of water left in all set-ups is less than 200 ml.
C The water in all three set-ups have the same amount of heat energy.

(1) C only
(2) A and B only
(3) B and C only
(4) A, B and C

( )

2. Four students listed ways to conserve water.

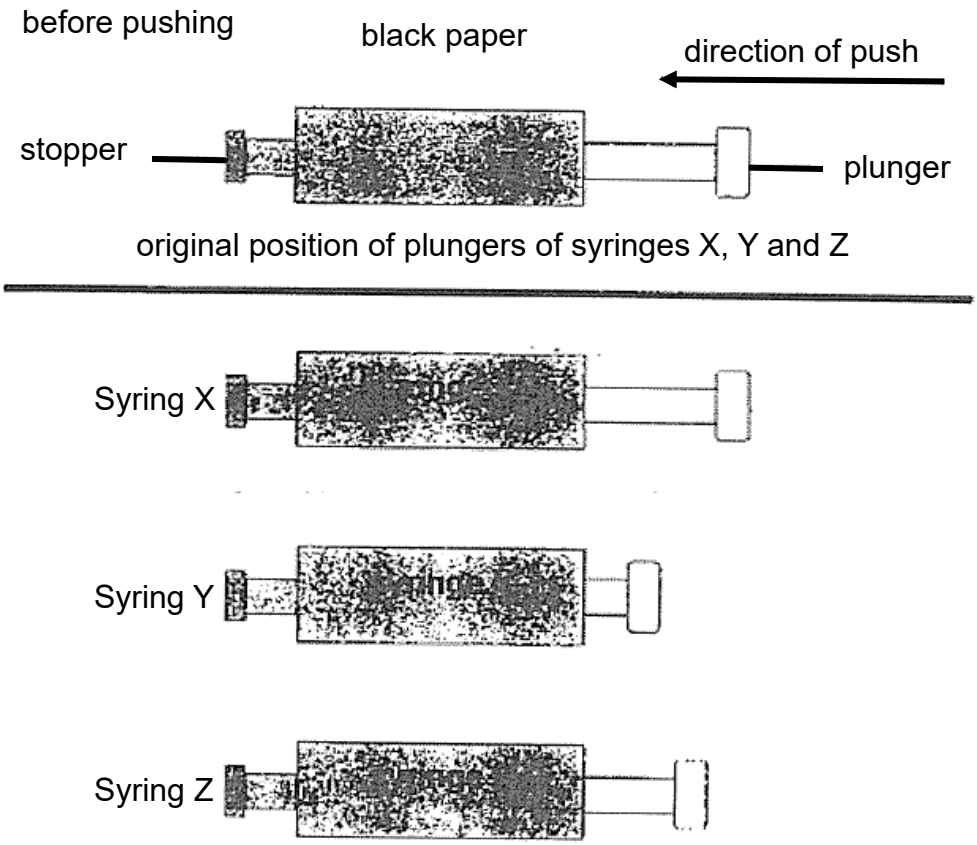
Student	Ways to conserve water
A	Use a pail to wash the car.
B	Turn off the heater when showering.
C	Treat seawater so that it can be drinkable.
D	Use running tap water when washing rice.

Which student(s) suggested way(s) that help(s) to conserve water?

(1) A only
(2) B only
(3) A and C only
(4) B and D only

( )

3. Zhangling wrapped up the sides of syringes X, Y and Z with black paper. She then filled each syringe with some substances and pushed the plunger of each syringe as far as it would go. The results are shown below.

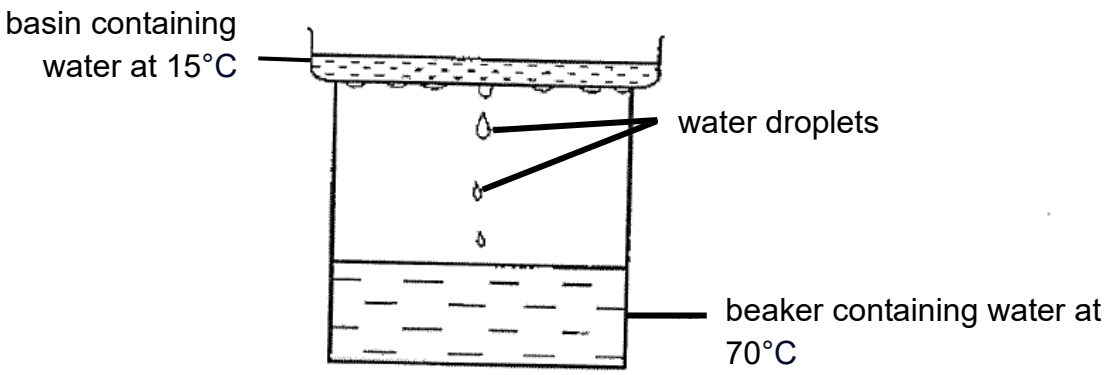


Based on the results, identify the substance(s) in each syringe.

	Syringe X	**Syringe Y**	**Syringe Z**
(1)	Water only	Air and water	Air only
(2)	Air and water	Air only	Water only
(3)	Water only	Air only	Air and water
(4)	Air and water	Water only	Air only

( )

4. Mr Loh has a set-up as shown below.



After a while, he observed water droplets forming on the underside of the basin.

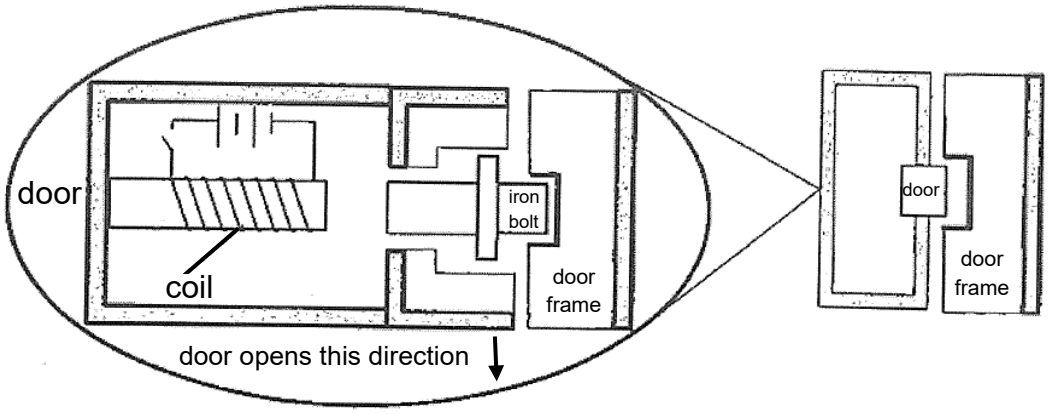
Which one of the following should Mr. Loh do so that he can decrease the amount of water droplets formed on the underside of the basin?

(1) Add some ice cubes in the basin.
(2) Add more water at 50°C in the basin.
(3) Add more water at 70°C in the beaker.
(4) Add more water at 100°C in the beaker.

( )

Booklet B: Open Ended Questions

5. Edmund installed an automatic door lock as shown in the diagram below.



(a) When the switch is closed, the iron bolt moved towards the iron core and the door will be unlocked. Explain how this happens. (2m)

_____

_____

(b) Explain what will happen if the iron bolt is replaced with a plastic bolt. (1m)

_____

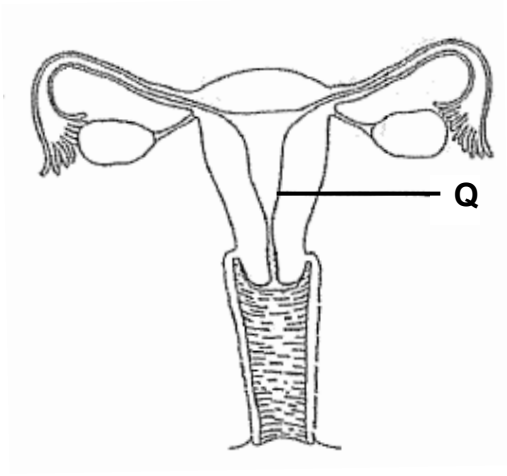
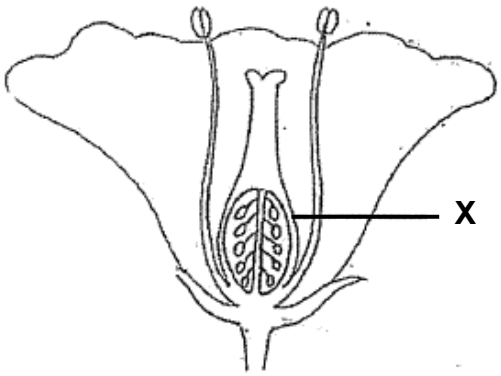
_____

(c) Explain what will happen if the iron core is replaced with a magnet. (1m)

_____

_____

6. The following diagrams show two sexual reproductive systems, A and B.

	
Reproductive System A	**Reproductive System B**

(a) What is the similarity between the function of parts Q and X? (1m)

_____

_____

(b) Compare the sexual reproduction process in humans and flowering plants.

(i) State one similarity. (1m)

_____

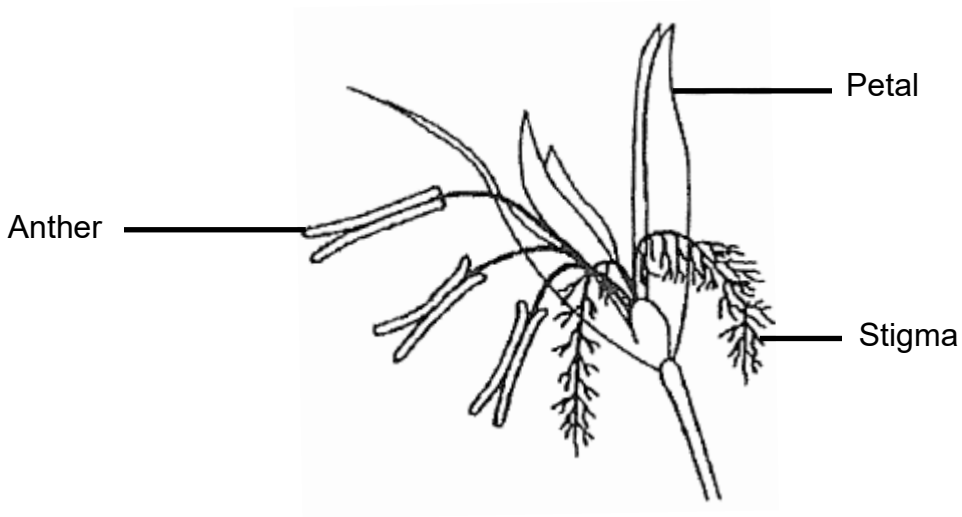
_____

(ii) State one difference. (1m)

_____

_____

7. Observe the flower as shown in the diagram.



Based on your observations, answer the following questions:

(a) State the method of pollination for the flower. (1m)

_____

_____

(b) State two characteristics of the flower that enable it to be pollinated by the method stated in your answer in (a). (2m)

(i) _____

(ii) _____

(c) Give a reason why seeds need to be dispersed away from the parent plant. (1m)

_____

_____

_____

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