

Q3

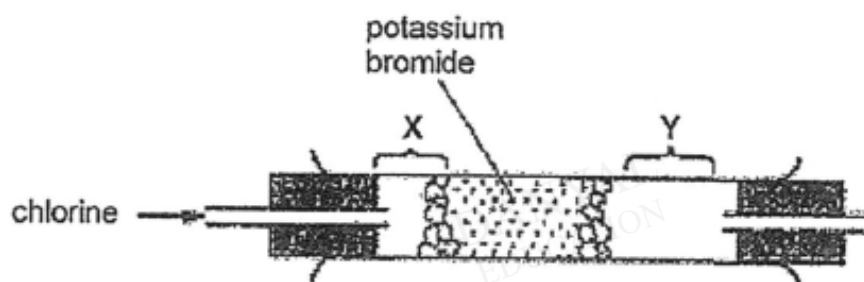
In the Periodic Table, element X is in the same group as chlorine but has a lower boiling point.

Which statement about X is correct?

- A It has a lighter colour than chlorine.
- B It is a liquid at room temperature.
- C It has an atomic number greater than 17.
- D It loses an electron when it reacts with metal.

Q4

In the diagram below, chlorine was passed through a tube. After a short time, coloured substances were seen at X and Y.



What would be observed at X and Y?

| | X | Y |
|---|----------------------|----------------------|
| A | greenish yellow gas | greenish yellow gas |
| B | greenish yellow gas | reddish brown vapour |
| C | reddish brown vapour | greenish yellow gas |
| D | reddish brown vapour | reddish brown vapour |

Q5

Rubidium is an alkali metal.

Which statement about rubidium is not correct?

- A Rubidium is more reactive than potassium
- B Rubidium forms an ion with a positive charge.
- C Rubidium is a silvery solid at room temperature.
- D Rubidium has a higher melting point than potassium.

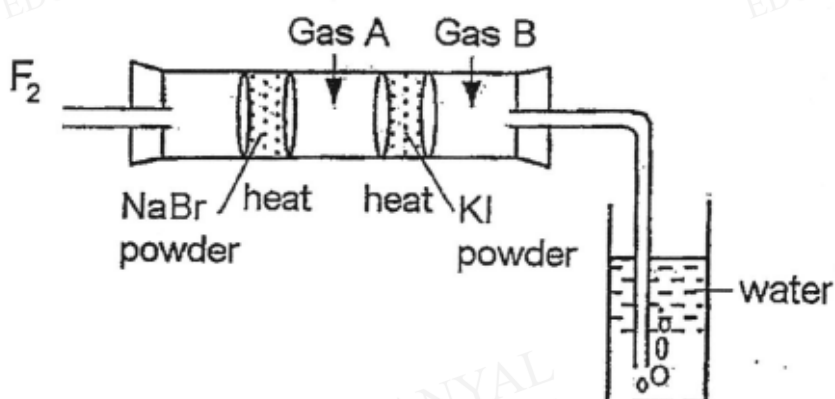
Q9

Silicon, Si, is in the same Group of the Periodic Table as carbon. □ What would the complete combustion of silane, SiH₄, in oxygen be expected to produce?

- A Si and H₂O
- B SiO and H₂O
- C SiO and H₂
- D SiO₂ and H₂O

Q10

The diagram shows the displacement of halogens.



What are the colours observed for Gas A, B and in the water during the experiment?

| | Gas A | Gas B | water |
|---|---------------|---------------|---------------|
| A | pale yellow | reddish brown | violet |
| B | pale yellow | violet | violet |
| C | reddish brown | violet | brown |
| D | reddish brown | brown | reddish brown |

Answers

Periodic Table Test 2.0

Q1 A

Q2 B

Q3 A

Q4 B

Q5 D

Q6 B

Q7 A

Q8 D

Q9 D

Q10 C

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