



## EXAM PAPERS PRACTICE

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Level: CIE AS and A Level (9701)

Subject: Chemistry

Topic: CIE Chemistry

Type: Topic Question

2002

XVIII

1583

Chemistry CIE AS & A Level  
To be used for all exam preparation for 2025+

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# CHEMISTRY

# AS and A

This to be used by all students studying CIE AS and A level Chemistry (9701) But students of other boards may find it useful

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### Question 1

The following report appeared in a newspaper:

Barrels of bromine broke open after a vehicle collision on the motorway. Traffic was diverted as purple gaseous bromine drifted over the surface of the road (as bromine is more dense than air), causing irritation to drivers' eyes. Firemen sprayed water over the scene of the accident, dissolving the bromine and washing it away.

Which of the following observations is **incorrect** in the report?

- A. Bromine is not purple
- B. Bromine does not vaporise readily
- C. Bromine is not denser than air
- D. Bromine does not dissolve in water

[1 mark]

### Question 2

A molecule of chlorine has a relative molecular mass of 72.

Which properties of the atoms in this molecule are the same?

- 1. Radius
- 2. Relative isotopic mass
- 3. Nucleon number

- A. 1 only
- B. 1 and 2
- C. 2 and 3
- D. 1, 2 and 3

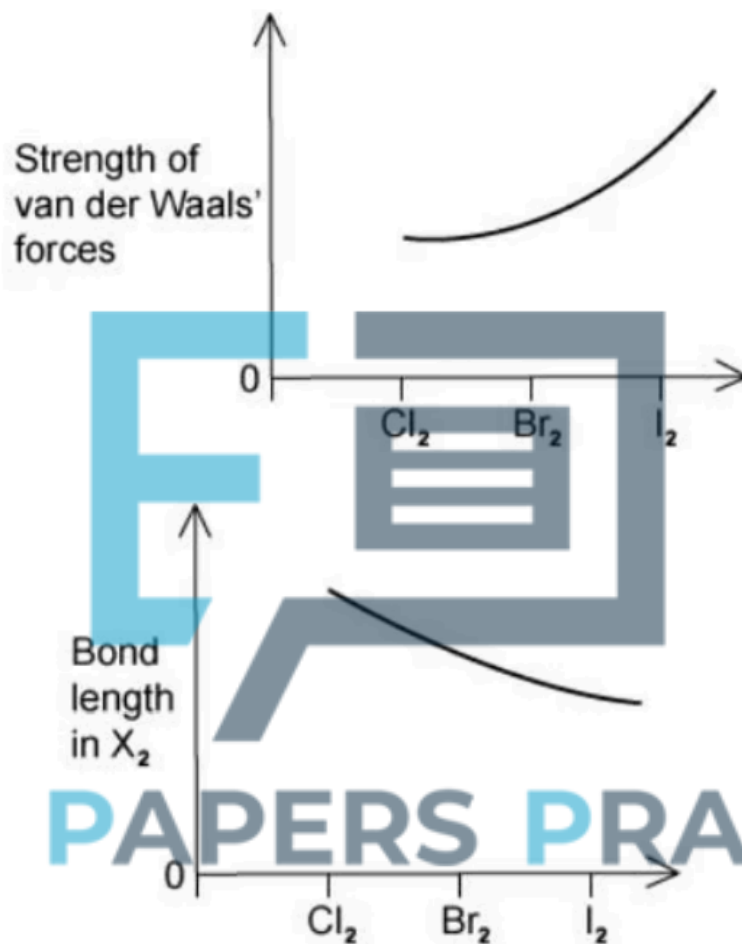
[1 mark]



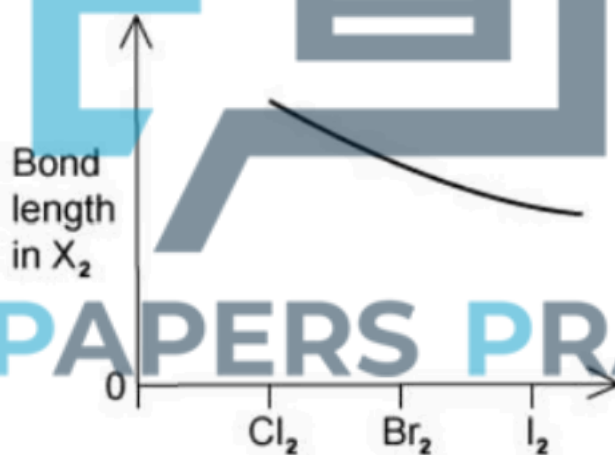
Question 3

Which graph correctly illustrates a trend found in the halogen group?

A.



B.

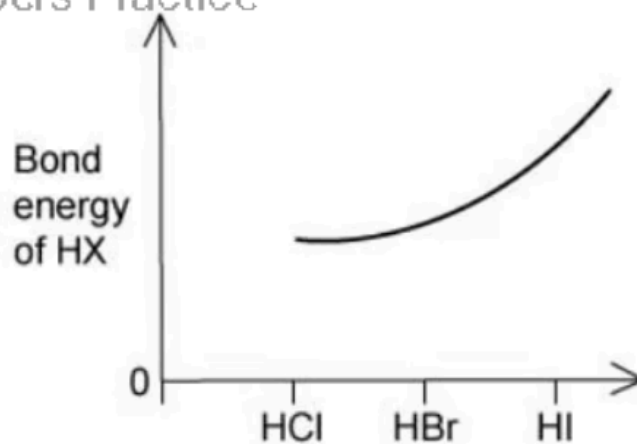


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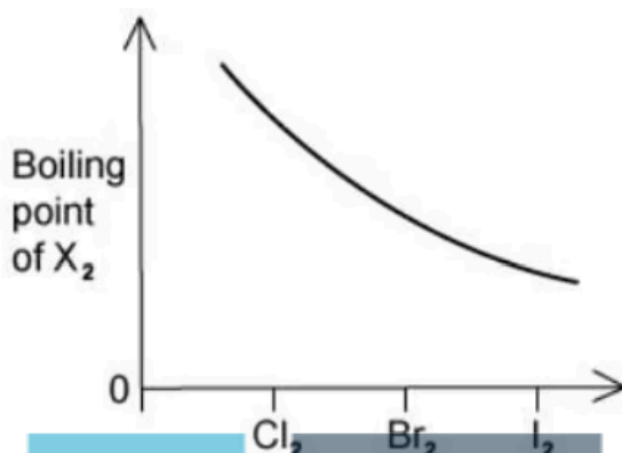
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C.





D.



[1 mark]