

AS Level Chemistry A H032/01 Breadth in chemistry

MCQ Question Set 3 3.1 The periodic table

Multiple Choice Questions

1.	Which element has the highest melting point?
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- A silicon
- B phosphorus
- C sulfur
- D chlorine

Youranswer

2.	What is the best explanation for the trend in boiling points down the halogens
	group?

- A The covalent bonds become stronger.
- **B** The hydrogen bonds become stronger.
- **C** The permanent dipole–dipole interactions become stronger.
- **D** The induced dipole–dipole interactions (London forces) increase.

Youranswer

3.

Which silver compound is insoluble in concentrated NH₃(aq)?

- A AgNO₃
- **B** AgCl
- C AgBr
- D AgI

Youranswer

4. What determines the order of elements in the Periodic Table?

- A first ionisation energy
- B number of electrons in the outer shell
- C number of protons in the nucleus
- **D** relative atomic mass

Your answer

[1]

[1]

[1]

[1]

1st	2nd	3rd	4th	5th
496	4563	6913	9544	13352

What is the formula of a chloride of Y?

vvnat					
	Α	YCl			
	В	YCl ₂			
	С	YCl ₃			
	D	YCl ₄			
			[1]		
Vhich		ment has induced dipole–dipole interactions (London forces) in its solid			
	Α	boron			
	В	magnesium			
	С	silicon			
	D	sulfur			
	You	ranswer	[1]		
Which	Which statement about the periodic table is not correct?				
	Α	The elements are arranged in groups with similar chemical properties.			
	В	The elements are arranged in periods with repeating trends in properties.			
	С	The elements are arranged in order of increasing atomic number.			
	D	The elements in the halogen group increase in reactivity down the group.			
	Yo	uranswer			

[1]

Total Marks for Question Set 3: 6

6.

7.



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