Summary Quiz (Chapter 39)

1.	Which of the following elements can compound?	react with oxygen to form an ionic
	A. Sodium C. Phosphorus	B. SiliconD. Chlorine
2.	X is a Period 3 element. The oxide of X ralkaline solution. A pale blue precipital added to copper(II) sulphate solution. W.A. Na C. P	te forms when the alkaline solution is
3.	Which of the following substances cortemperature and pressure? (1) Aluminium (2) Phosph A. (1) only C. (1) and (3) only	
4.	cannot.	can conduct electricity while oxygen een the sulphur molecules are stronger molecules.
5.	Which of the following statements conce (1) It reacts with dilute hydrochloric (2) It reacts with sodium hydroxides (3) It is a white solid at room tempe A. (1) and (2) only C. (2) and (3) only	acid. solution. rature.
6.	Which of the following is the correct incomes the oxides? A. $Na_2O < P_4O_{10} < SO_2$ C. $P_4O_{10} < SO_2 < Na_2O$	creasing order for the melting points of B. $P_4O_{10} < Na_2O < SO_2$ D. $SO_2 < P_4O_{10} < Na_2O$
7.	Which of the following oxides have a gio (1) Al ₂ O ₃ (2) SiO ₂ A. (1) and (2) only C. (2) and (3) only	ant structure? (3) P ₄ O ₁₀ B. (1) and (3) only D. (1), (2) and (3)
8.	Which of the following substances has a A. Lithium C. Nitrogen	simple molecular structure? B. Boron D. Silicon

- 9. Which of the following is the correct decreasing order for the melting points of elements?
 - A. B > C > N

B. Li > Be > B

C. Na > Mg > Al

- D. S > Cl > Ar
- 10. In which of the following substances is/are the atoms bonded by strong covalent bonds?
 - (1) Argon
- (2) Silicon
- (3) Aluminium

A. (1) only

B. (2) only

C. (1) and (3) only

- D. (2) and (3) only
- 11. Which of the following statements concerning elements (except boron) in Group I to Group III are correct in first three periods?
 - (1) They have giant metallic structures.
 - (2) The melting point of elements rises from Group I to Group III.
 - (3) The number of delocalized electrons in the elements increases from Group I to Group III.
 - A. (1) and (2) only

B. (1) and (3) only

C. (2) and (3) only

- D. (1), (2) and (3)
- 12. Which of the following elements is/are good conductor(s) of electricity at room temperature?
 - (1) Carbon (graphite)
 - (2) Boron

(3) Chlorine

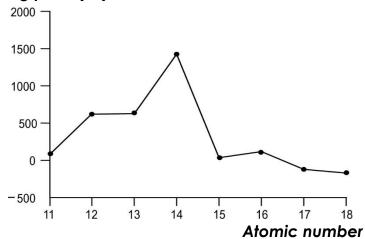
A. (1) only

B. (2) only

C. (1) and (3) only

- D. (2) and (3) only
- 13. Consider the following graph:

Melting point (℃)



Which of following statements is the correct?

- A. Silicon is a semi-metal so it has the highest melting point.
- B. Argon has a giant covalent structure.
- C. The atoms in metals (sodium, magnesium and aluminium) are held together by van der Waals' forces.
- D. Sulphur has a larger molecular size than phosphorus.

14.	A. B. C.							
15.	A.	ich of the following elements conta Argon Sulphur	iins di: B. D.	Phosphorus				
16.	Α.	ich of the following oxides dissolve(solve): (1) Na_2O (2) SO_2 (1) only (1) and (3) only	В.	vater to form acidic solution(s)? (3) Cl ₂ O (2) only (2) and (3) only				
17.	Α.	ich of the following oxides can disso (1) Al_2O_3 (2) MgO (1) only (1) and (3) only	В.	water and form alkaline solution(s)? (3) P4O10 (2) only (2) and (3) only				
18.	A.	ich of the following oxides reacts with Cl_2O SO_2	В.	•				
19.	 Which of the following statements concerning sulphur dioxide are correct? (1) It is soluble in water. (2) It is one of the air pollutants which causes acid rain. (3) It is an amphoteric oxide. A. (1) and (2) only B. (1) and (3) only 							
20		(2) and (3) only		(1), (2) and (3)				
ZU.	Α.	ich of the following oxides are covo (1) MgO (2) SiO ₂ (1) and (2) only (2) and (3) only	В.	(3) SO ₂ (1) and (3) only (1), (2) and (3)				

The End

Suggested Answer

1.	Α	6.	D	11.	D	16.	D
2.	Α	7.	Α	12.	Α	17.	В
3.	Α	8.	С	13.	D	18.	D
4.	С	9.	D	14.	С	19.	Α
5.	D	10.	В	15.	D	20.	С