

-O- A multiple choice quiz. Tick the boxes to record the answer

- 1. Which of the following is the advantages of hydrogen bonds formed between ethanol molecules?
 - Ethanol exists as a volatile liquid
 - Ethanol dissolves in organic solvents.
 - Ethanol could conduct electricity.
 - □ **X** Ethanol is soluble in water.
- Which of the following substances form dative bonds?
 - A Mmonium ions, NH₃
 - Methane, CH4
 - Carbonate ions, CO₃²⁻
 - Hydroxide ions, OH-

- Which statement is true about dative bonds?
 - Its formation involves transfer of electrons
 - B X Its formation involves sharing of electrons
 - Its formation involves delocalising of electrons
 - Its formation involves a big difference in electronegativity between two atoms
- Substances G is a good heat and electrical conductor in solid and molten states. Which of the following chemical bond is found in substances G?
 - **Dative Bond**
 - Ionic Bond
 - **Covalent Bond**
 - Metallic Bond

5.	Which of the following statements explains why aluminium is a better electrical conductor than sodium? A Relative atomic mass of aluminium is greater than relative atomic mass of sodium. B Aluminium forms metallic bonds but sodium forms ionic bond C Aluminium atoms have more	8.	Substance Z have lo point and boiling point and boiling point and conduct electric states. Which of the is most probably substance C Sodium chloride Tetrachloromethane	oint and do city in all e following
	electrons than sodium atoms. D	 		
	more valence electron than sodium atoms.	Which statement best explains why covalent molecules such as ammonia, NH ₃ dissolve in wter?		
6.	Which compound consists of only electrovalent bonds?		A The relative molecular mass of ammonia and the relative molecular mass of water is almost the same	
	A Sodium Nitrate B Carbon dioxide C ★ Calcium oxide C Horide	Ammonia molecule could form hydrogen bonds with water molecules C Ammonia molecules could form dative bonds with water molecules		
	10. Atom X and atoms Y reacts to produce and ionic compound with the formula XY ₂ . If the proton			
	B High melting and boiling points		number of atom N the proton number	is 17, what is
	Do not dissolve in organic solvents		A _ 9	B 🗶 12
	Weak forces of attraction between its molecules		C 11	D 3

