

- 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?
	A Ethanol exists as a volatile liquid
	Ethanol dissolves in organic solvents.
	Ethanol could conduct electricity.
	D Ethanol is soluble in water.
2.	Which of the following substances form dative bonds?
	A Ammonium ions, NH ₃
	B Methane, CH4
	Carbonate ions, CO ₃ ²⁻
	D Hydroxide ions, OH-

3.	Which statement is true about dative bonds?
	A lts formation involves transfer of electrons
	B Its formation involves sharing of electrons
	C Its formation involves delocalising of electrons
	Its formation involves a big difference in electronegativity between two atoms
4.	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?
	A Dative Bond
	B
	C Covalent Bond
	D 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	8. Substance Z have low melting point and boiling point and do not conduct electricity in all states. Which of the following is most probably substance Z?				
	relative atomic mass of sodium.		A Sodium chloride		Magnesium oxide	
	Aluminium forms metallic bonds but sodium forms ionic bond	1	C Tetrachloromethane		Silicon oxide	
	Aluminium atoms have more electrons than sodium atoms.					
	Aluminium atoms have more valence electron than sodium atoms.	9.	Which statement best explains why covalent molecules such as ammonia, NH ₃ dissolve in wter?			
6.	Which compound consists of only electrovalent bonds?	1 1 1 1 1 1 1	The relative molecular mass of ammonia and the relative molecular mass of water is almost the same			
	A Sodium B Carbon dioxide C Calcium D Ammonium Chloride	Ammonia molecule could form hydrogen bonds with water molecules C Ammonia molecules could form dative bonds with water molecules				
						7.
	A Could conduct electricity in all states B High melting and boiling points		10. Atom X and atoms Y reacts to produce and ionic compound with the formula XY ₂ . If the proton number of atom N is 17, what is the proton number of atom M?			
	Do not dissolve in organic solvents	1 1 1	A 9	В	12	
	D Weak forces of attraction between its molecules		C 11	D	3	

