Chemistry assignment for grade 9 th 11 , 12 student

Name..... grade..... Section..... Roll. no.....

I. Write " **True** " if the statement is correct write "**False** "if the statement is incorrect.

1. Chemical bond is the attractive force that bind atoms together
2. Dative bond is a bond in which one of the atoms supplies both of the sharing electrons to a covalent bond .
3. Metallic bond is the force of attraction between non-polar molecules .
4. The force of attraction between covalent bond molecules called inter molecule force
5. The bond between CU and Cl_2 is formed hydrogen bond

II. Choose the correct answer for the following

6. The bond that formed between positive metal ions and delocalized electrons is
   A. Dative bond C. ionic bond
   B. Coordinate covalent D. metallic bond
7. In the formation f covalent bonding valance electrons are b
   A. Shared B. transfered C. delocalized D. not affect
8. Which one of the following is a chemical change?
   A. Tiling of paper C. breaking of grains
   B. Souring of milk D. melting of iron
9. The..... reaction is a reaction which releases heat energy from the surrounding
   A. Exothermic reaction C. combustion reaction
   B. Endothermic reaction D. combination reaction
10. The amount of heat energy liberated or absorbed by a chemical reaction is
   A. Heat of reaction C. endothermic reaction
   B. Change in enthalpy D. A and B

III. State the following

A. Chemical reaction types
   a. .....
   b. .....
   c. .....
   d. .....

B. Balance the following chemical equation

a. $Al + O_2 \longrightarrow Al_2O_3$ (abcd method)

b. $FeS_2 + O2 \longrightarrow Fe_2O_3 + SO_2$ (using necessary method lcm and abcd methods)