



**VIDYA BHARATI SCHOOL**  
**OLYMPIAD WORKSHEET: August 2017**  
**GRADE:IX**  
**SUBJECT:SCIENCE**

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1. Name the solute in common salt solution :  
a) H<sub>2</sub>O    b) NH<sub>4</sub>Cl    c) NaOH    d) NaCl
2. Which of the following is property of true solution?  
a) Homogeneous    b) Heterogeneous  
c) Translucent    d) None of these
3. The process of separation of insoluble solids from a liquid is called :  
a) Filtration    b) Decantation  
c) Sedimentation    d) Evaporation
4. Which of the following mixtures is stable?  
a) Milk in water    b) Sugar in water  
c) Sand in water    d) Wheat flour in cold water
5. Egg albumin in water forms:  
a) True solution    b) Colloidal solution  
c) Suspension    d) None of these
6. When a mixture of iron filings and sulphur is heated, the colour of the mixture changes from:  
a) Black to yellow    b) Yellow to black  
c) Greyish yellow to black    d) Black to brown
7. Sublimation is the process in which:  
a) Liquid changes into gaseous state  
b) Solid changes into liquid state  
c) Solid directly changes into gaseous form  
d) Solid first converts into liquid, then into vapour form.
8. Which of the following substances sublimes on heating?  
a) Iodine    b) Camphor    c) Naphthalene    d) All of these
9. In a mixture of sand, common salt and ammonium chloride, the substance that sublimes is:  
a) Ammonium chloride    b) Sand    c) Common salt    d) All of these
10. Recovery of salt from salt solution in water can be done by :  
a) Evaporation    b) Distillation    c) Filtration    d) None of these
11. In determination of melting point of ice, the ice is contaminated with some non-volatile impurity, like common salt, melting point of ice will :  
a) Increase    b) Decrease    c) May increase or decrease    d) Does not change
12. What is the melting point of ice?  
a) 0°C    b) 100°C    c) 273 K    d) Both (a) and (c)

