

27. (a) What percentage of fresh water is available for human consumption on the Earth?  
(b) State one application of high latent heat of fusion of ice in our daily life.
28. Complete and balance the chemical equations.  
(i)  $H_2O \xrightarrow{\text{electric current}}$  .....  
(ii)  $Cu + O_2 \xrightarrow{\hspace{2cm}}$  .....  
(iii)  $Mg + O_2 \xrightarrow{\hspace{2cm}}$  .....
29. (a) Name the acid used in purification of gold.  
(b) Write any 2 properties of salts.
30. (a) What is a G.L.E?  
(b) Name the type of charge produced on an ebonite rod, when rubbed with fur?
31. (a) Name 2 international health organizations.  
(b) Mention any 2 characteristics of good health.  
(c) What is malnutrition?
32. Give any 3 differences between insect pollinated flowers and wind pollinated flowers?
33. (a) Explain Sea Breeze.  
OR  
(b) An iron ball of mass 2 Kg is heated, such that its temperature is raised from  $10^\circ C$  to  $50^\circ C$ . If the specific heat capacity for iron is  $470 J/Kg^\circ C$ . Calculate the quantity of heat energy supplied to iron.
34. (a) Differentiate between concave and convex mirror.  
(b) State 2 uses of plane mirrors.
- IV. Questions 35-40 carries 5 Marks each [5x6=30]**
35. (a) Draw a neat labeled diagram showing the process of Fertilization in flower.  
(b) Write down the events taking place during fertilization.  
OR  
(c) With the help of a neat labeled diagram explain multiple fission in Amoeba.
36. (a) Name the only liquid where conduction takes place. (transmission of heat by conduction).  
(b) With the help of a labeled diagram, Explain an experiment to show transmission of heat by convection in liquids. (Diagram and explanation).

# Grade 7 Final Exam Practice Science

**Arshad Iqbal**



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