

Holiday Homework Class 10

Chemical Reactions And Equations

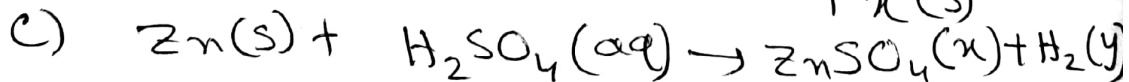
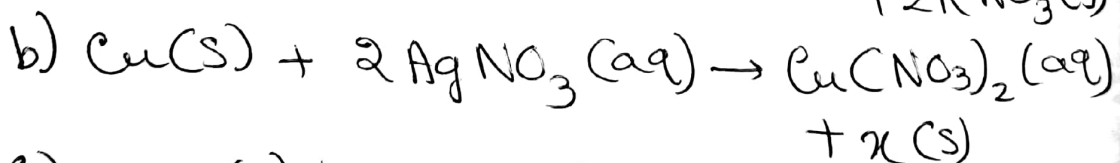
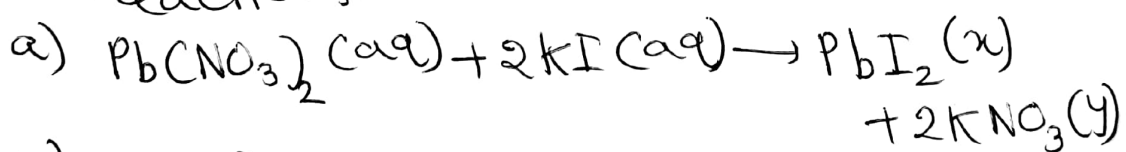
1. A silver article generally turns black when kept in open for a few days.
The article when rubbed with tooth-paste again starts shining.

a) why do Ag articles turn black when kept in the open for a few days.

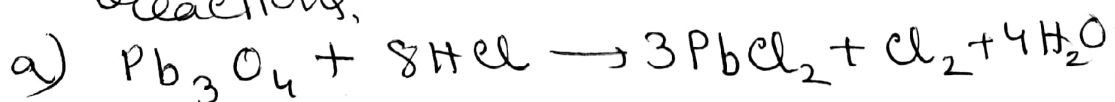
b) Name the phenomenon and the black substance formed. Give its chemical formula also.

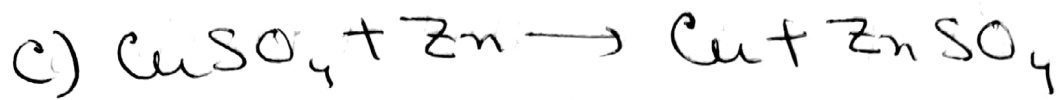
2. You are provided with two containers made up of Cu & Al. You are also provided with solutions of dil HCl, dil HNO₃, ZnCl₂ & H₂O. In which of the above containers these solutions can be kept?

3. Complete the missing components given as x and y in the following reactions:-

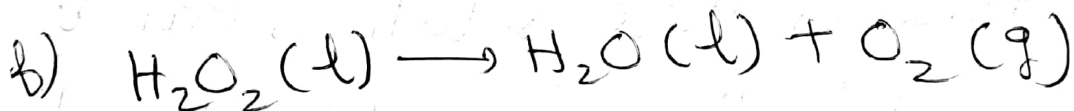
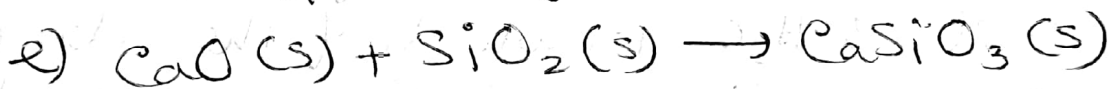
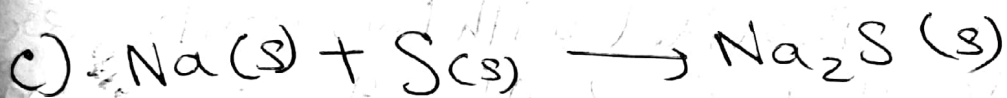
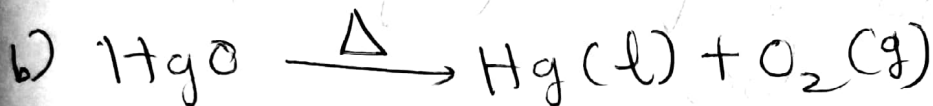
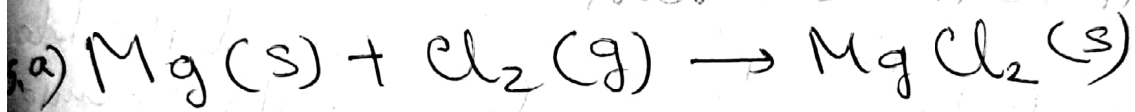


4. Identify the oxidising and reducing agent in the following reactions:-





Balance the following chemical equations



6. Draw and explain the electrolytic decomposition of water by electrolysis.