

Reactions of Group 7

Pre-lesson assignment p112-114.

Define the following terms:

- Disproportionation

Make notes on the reactions of group 7

Use the following questions as guidance.

1. Describe how halogens undergo disproportionation reactions with water. Include oxidation numbers.
2. Describe how halogens undergo disproportionation reactions with sodium hydroxide including conditions and oxidation numbers.
3. Describe the cost/benefit of adding chlorine to drinking water.
4. Write an ionic equation for the reaction between halide ions and silver ions. Explain how this can be used as a test for the halide ions.