



Introduction to Redox Reactions – How To Use this Unit

Activity 1 – Interesting Idea

Redox reactions can become very esoteric ideas if they are not related to real world examples. This short animation will engage students by showing the power of these reactions.

Activity 2 – Reducing Agents

Open the link by clicking the *Start Activity* button. Use this animation to assist students in remembering the fundamental role of Reducing Agents in redox reactions. Revisiting this animation in future discussions will assist in cementing this idea and facilitate comprehension.

Activity 3 – Oxidizing Agents

Open the link by clicking the *Start Activity* button. Use this animation to assist students in remembering the fundamental role of Oxidizing Agents in redox reactions. Revisiting this animation in future discussions will assist in cementing this idea and facilitate comprehension.

Activity 4 – The Theory of Redox Reactions

Open the link by clicking the *Start Activity* button. Use this animation to explain the theory of redox reactions with respect to the role of the Reducing Agent and the Oxidizing Agent and the ways that they interact.

Activity 5 – Guided Practice with Half Reactions

Open the link by clicking the *Start Activity* button. This guided practice session will allow students to apply the above theory to actual examples of redox half-reactions. Using this practice will help to demonstrate the basics of what students need to learn and will provide a foundation for future understanding.

Clicking the “Hint” button will give students a clue in what to look for when determining the oxidizing and reducing agents in each question.