

WorksheetCloud: WORKSHEET

Grade 9

Subject: Natural Sciences

Topic: Experiment reactions of Iron with oxygen

The reaction of iron with oxygen

Activity 1

Iron reacts with oxygen and produces iron oxide

1. Write the word equation.
2. Convert the word equation into a chemical equation.
3. Convert the chemical equation to a picture equation.
4. Balance the chemical reaction equation. (use the table format)

Activity 2

1. Do you know what steel wool is?

MATERIALS:

- matches
- safety goggles
- steel wool
- tile/brick/cement

2. You will use steel wool in this demonstration, but what is steel wool mostly made of?
3. Look at the metal before it is burned. Describe what it looks like.
4. Can you see the oxygen that the metal will react with? Can you describe it?
5. What do you observe during the reaction? Describe anything you see, hear, or smell.
6. What does the product of the reaction look like? Describe it in as much detail as possible