

Name _____

Virtual Lab: Types of Chemical Reactions

Find the Link on Moodle for “Virtual Lab: Types of Chemical Reactions”, or go to youtube and type in “5 Types of Chemical Reactions Lab” and click on the first link, or type in the following website:

<https://www.youtube.com/watch?v=nsEkKliOz7Q>

Watch the video and follow along on your worksheet as you go.

- Observations before Reaction: What do you think is going to happen?
- Observations after reaction: What did you see happen?
- Word equation: write the reaction out in words
- Skeleton equation: write the reaction out using chemical formulas (not balance)
- Balanced equation: write the complete balanced equation with chemical formulas

1. Type of Reaction: _____

Observations Before Reaction	Observations After Reaction

Word Equation:

Skeleton Equation:

Balanced Equation:

2. Type of Reaction: _____

Observations Before Reaction	Observations After Reaction

Word Equation:

Skeleton Equation:

Balanced Equation:

Name _____

3. Type of Reaction: _____

Observations Before Reaction	Observations After Reaction

Word Equation:

Skeleton Equation:

Balanced Equation:

4. Type of Reaction: _____

Observations Before Reaction	Observations After Reaction

Word Equation:

Skeleton Equation:

Balanced Equation:

Name _____

5. Type of Reaction: _____

Observations Before Reaction	Observations After Reaction

Word Equation:

Skeleton Equation:

Balanced Equation:

Questions: Balance the equation and state the type of reaction

1. _____ Na + _____ HOH \rightarrow _____ NaOH + _____ H₂ Type of Reaction _____

2. _____ Fe + _____ O₂ \rightarrow _____ Fe₂O₃ Type of Reaction _____

3. _____ Zn + _____ CuSO₄ \rightarrow _____ Cu + _____ ZnSO₄ Type of Reaction _____

4. _____ Zn(C₂H₃O₂)₂ + _____ Na₃PO₄ \rightarrow _____ NaC₂H₃O₂ + _____ Zn₃(PO₄)₂
Type of Reaction _____

5. _____ H₂O \rightarrow _____ H₂ + _____ O₂ Type of Reaction _____

6. _____ Al₂(SO₄)₃ + _____ CaCl₂ \rightarrow _____ AlCl₃ + _____ CaSO₄
Type of Reaction _____