

Name: _____ Date: _____

WEB SURFING SCIENCE

Using the Web Surfing Science! websites your teacher has assigned to you, complete the following online treasure hunt.

Part I: Chemical Equations

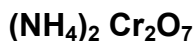
1. What is a chemical formula?

2. What two things are indicated by a chemical formula?

3. What two pieces of information are needed to determine the ratio of elements in a compound?

Part II: Interactive Tutorial on Balancing Equations

Follow the tutorial and answer the questions about the chemical equation below:



1. Name the four different types of atoms that are in the chemical equation.

2. How many hydrogen atoms are in the reactant? _____

3. How many hydrogen atoms are in the product? _____

4. Explain how to determine if a chemical equation is balanced or unbalanced.

5. Is the above chemical equation balanced or unbalanced? _____

6. Explain why or why not.

WEB SURFING SCIENCE

Part III: Anatomy of a Chemical Equation

1. What does a chemical equation represent?

2. Name the three main parts of a chemical equation.

3. What does the arrow stand for in a chemical equation?

4. Explain how the Law of Conservation of Matter applied in a chemical equation.

5. How are coefficients (the numbers in front of the formulas) used to balance chemical equations?
