

Name \_\_\_\_\_

Date \_\_\_\_\_

## Writing Formulas and Naming Polyatomic Ionic Compounds Activity

### Directions:

1. Working with a partner, roll the red dice and blue dice to get the elements for each binary compound.
2. Write the formula for the binary ionic compound.
3. Write the name for the binary ionic compound.
4. Repeat the process until you have named 14 different polyatomic ionic compounds.

### Polyatomic Ionic Compounds

1. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_

Chemical formula \_\_\_\_\_

Name \_\_\_\_\_

2. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_

Chemical formula \_\_\_\_\_

Name \_\_\_\_\_

3. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_

Chemical formula \_\_\_\_\_

Name \_\_\_\_\_

4. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_

Chemical formula \_\_\_\_\_

Name \_\_\_\_\_

5. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_

Chemical formula \_\_\_\_\_

Name \_\_\_\_\_

6. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_

Chemical formula \_\_\_\_\_

Name \_\_\_\_\_

7. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_  
Chemical formula \_\_\_\_\_  
Name \_\_\_\_\_
8. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_  
Chemical formula \_\_\_\_\_  
Name \_\_\_\_\_
9. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_  
Chemical formula \_\_\_\_\_  
Name \_\_\_\_\_
10. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_  
Chemical formula \_\_\_\_\_  
Name \_\_\_\_\_
11. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_  
Chemical formula \_\_\_\_\_  
Name \_\_\_\_\_
12. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_  
Chemical formula \_\_\_\_\_  
Name \_\_\_\_\_
13. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_  
Chemical formula \_\_\_\_\_  
Name \_\_\_\_\_
14. Cation: \_\_\_\_\_ Anion: \_\_\_\_\_  
Chemical formula \_\_\_\_\_  
Name \_\_\_\_\_