

**Chapter 4 Test Review Problems**

1. Name the following compounds.

A.  $\text{Na}_2\text{S}$  \_\_\_\_\_ B.  $\text{BaSO}_4$  \_\_\_\_\_

ID A

C.  $\text{Rb}_3\text{NO}_3$  \_\_\_\_\_ D.  $\text{FeS}$  \_\_\_\_\_

2. Write the formulas for the following compounds.

A. Calcium Nitrate \_\_\_\_\_ B. Beryllium Oxide \_\_\_\_\_

C. Iron (III) Oxide \_\_\_\_\_ D. Iron (II) Fluoride \_\_\_\_\_

3. Write 'Ionic' or 'Covalent' to describe how each compound is formed.

A.  $\text{NaCl}$  \_\_\_\_\_ B.  $\text{H}_2\text{O}$  \_\_\_\_\_

C.  $\text{CO}_2$  \_\_\_\_\_ D.  $\text{KCl}$  \_\_\_\_\_

4. Write the oxidation numbers for the following elements.

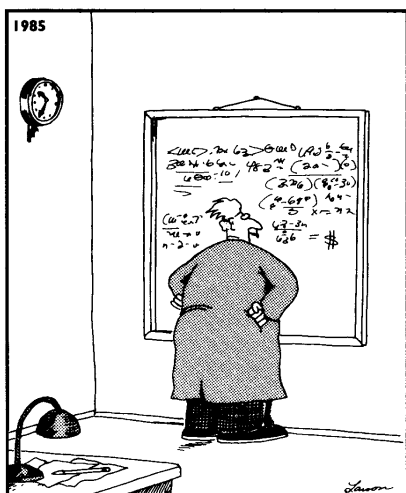
A. Na \_\_\_\_\_ B. Cs \_\_\_\_\_ C. Be \_\_\_\_\_ D. Mg \_\_\_\_\_

E. F \_\_\_\_\_ F. I \_\_\_\_\_ G. O \_\_\_\_\_ H. Ne \_\_\_\_\_

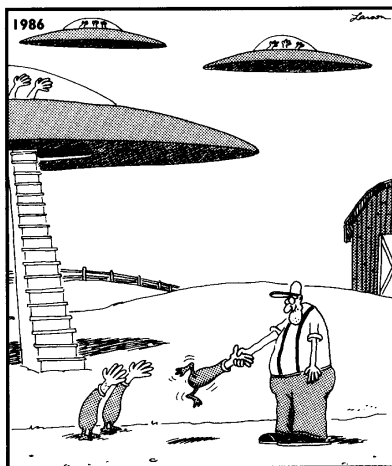
I. Al \_\_\_\_\_

5. Circle the elements that form diatomic molecules (Remember the Dr. ?)

- |          |        |          |          |        |          |
|----------|--------|----------|----------|--------|----------|
| Bromine  | Cesium | Iodine   | Nitrogen | Carbon | Neon     |
| Chlorine | Helium | Hydrogen | Oxygen   | Xenon  | Fluorine |



Einstein discovers that time is actually money.



Inadvertently, Roy dooms the entire earth to annihilation when, in an attempt to be friendly, he seizes their leader by the head and shakes vigorously.