Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Oxidation and Reduction**

1. Oxidation is the ? and reduction is the ? .
   1. gain of oxygen, loss of electrons
   2. loss of oxygen, gain of electrons
   3. loss of electrons, gain of electrons
   4. gain of oxygen, loss of mass
   5. gain of electrons, loss of electrons
2. Identify the oxidation number of each element in each of the following substances.
   1. S8 (elemental form of sulfur)

S \_\_\_\_\_

* 1. H2S

H \_\_\_\_\_

S \_\_\_\_\_

* 1. SO2

S \_\_\_\_\_

O \_\_\_\_\_

* 1. H2SO3

H \_\_\_\_\_

S \_\_\_\_\_

O \_\_\_\_\_

* 1. K2SO4

K \_\_\_\_\_

S \_\_\_\_\_

O \_\_\_\_\_

F. Al2(SO4)3

Al \_\_\_\_\_

S \_\_\_\_\_

O \_\_\_\_\_