**Chem 1013: mini-quiz # 24: Redox concepts A 10 pts**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1a) oxidation means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_electrons

1b) reduction means\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ electrons

2) What is the oxidation number for each element (per element) in the compounds below:

H2O CO2 H2SO4

H=\_\_\_ C=\_\_\_ H=\_\_\_ O=\_\_\_\_

O=\_\_\_ O=\_\_\_ S= \_\_\_

Who is oxidized in the reaction below ?

Mgo + 2H+ 🡪 Mg2+ + H2

**Chem 1013: mini-quiz # 24: Redox concepts B 10 pts**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1a) losing electrons is termed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1b) gaining electrons is termed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) What is the oxidation number for each element (per element) in the compounds below:

O2 H2O H2SO4 Cu2+

O=\_\_ H=\_\_\_ H=\_\_\_ O=\_\_\_\_ Cu= \_\_\_\_\_

 O=\_\_\_ S= \_\_\_

Who is oxidized in the reaction below ?

Zno + 2H+ 🡪 Zn2+ + H2