**Mini-quiz #26 Chemistry 1114 30 Nov 2012**

Your name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_answers\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_/7 pts

Oxidation means an element \_\_\_\_\_\_\_losing\_\_\_\_\_\_\_electrons

Reduction means an element \_\_\_\_\_\_\_gaining\_\_\_\_\_\_\_electrons

What are the oxidation numbers for the indicated elements in the compounds listed below:

MnO2 \_\_\_\_+4\_\_\_\_\_\_\_\_Mn

CH4 \_\_\_\_\_-4\_\_\_\_\_\_\_ C

CrO42- \_\_\_\_\_+6\_\_\_\_\_\_\_ Cr

In the reaction below, identify which element is oxidized and which element is reduced:

CrO2(s) + 2CuO + O2 🡪 Cu2O + CrO42-

Element oxidized\_\_\_\_Cr\_\_\_\_\_\_\_\_\_ Element reduced\_\_\_\_\_\_\_\_Cu\_\_\_\_\_\_\_\_\_\_\_\_

(4🡪6) (2🡪1)