**Practice Problems** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ # \_\_\_\_\_\_\_

**Oxidation of Alcohols**

**For the following: 1) give the IUPAC name of the reactant; 2) oxidize the following alcohols (with catalyst); 3) Show the structural (or line formula) product; 4) State if the alcohol is primary, secondary or tertiary; 5) Classify the family of the product; 6) If the product can be further oxidized, show the reaction and classify the product.**

1. n-butyl alcohol
2. sec-butyl alcohol
3. isobutyl alcohol
4. tert-butyl alcohol