

Name: \_\_\_\_\_ Block: \_\_\_\_\_

**EAS - Arene mechanism sheet I – The basics four reactions – and omp analysis**

**Please provide detailed mechanisms for the synthesis of the following compounds – starting with benzene – you list the other reagents needed.**

1. bromobenzene
2. nitrobenzene
3. benzenesulfonic acid
4. ethylbenzene
5. Explain – using resonance structures - why a methyl group is *op* directing, yet an acid group is *m* directing.