

Ch 332

Name _____

Quiz #2 (Chapter 9)

(print)

Due in class, Wed. Jan. 24, 2001

(50 pts)

(Note: There will be no partial credits! Please pay attention to details)

1. (15 pts) Draw the structure for each of the following compounds.

1) 3,5-Dihydroxybenzoic acid

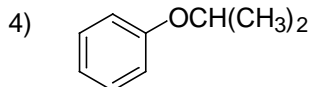
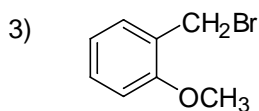
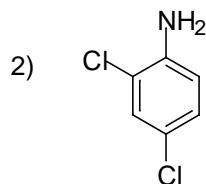
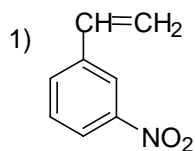
2) 2-Phenylethanol

3) 3-Phenoxy-cyclohexene

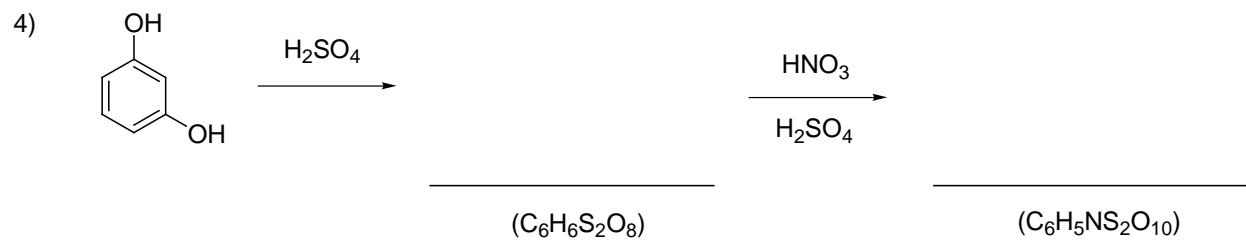
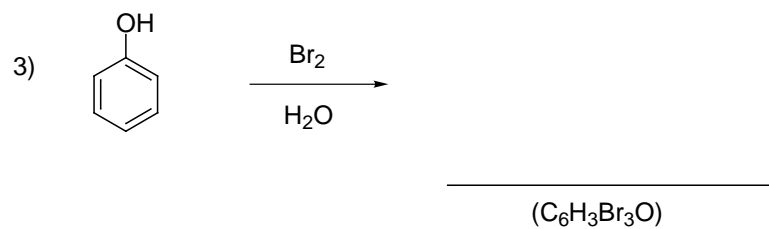
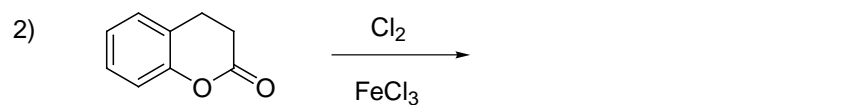
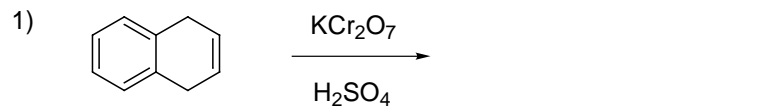
4) Benzyl methyl ether

5) *p*-Divinylbenzene

2. (8 pts) Name the following compounds.



3. (15 pts) Propose the product for each of the following reactions.



4. (12 pts) Many polycyclic aromatic compounds have been synthesized by a cyclization reaction known as the Bradsher reaction or aromatic cyclodehydration. This method can be illustrated by the following synthesis of 9-methylphenanthrene. Propose a plausible mechanism for this reaction.

