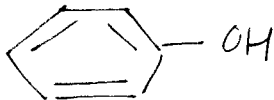
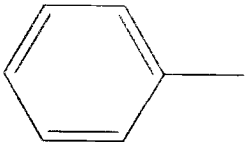
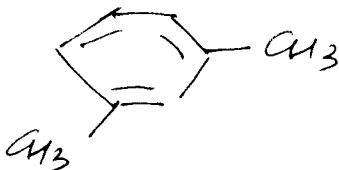
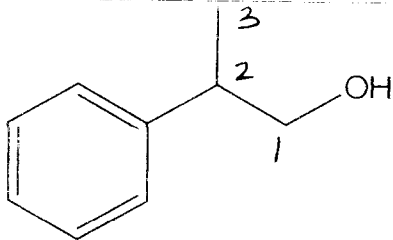
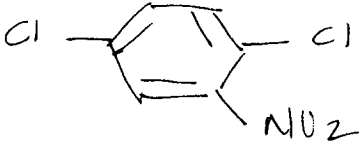


Unless otherwise specified, each question is worth 2 points.

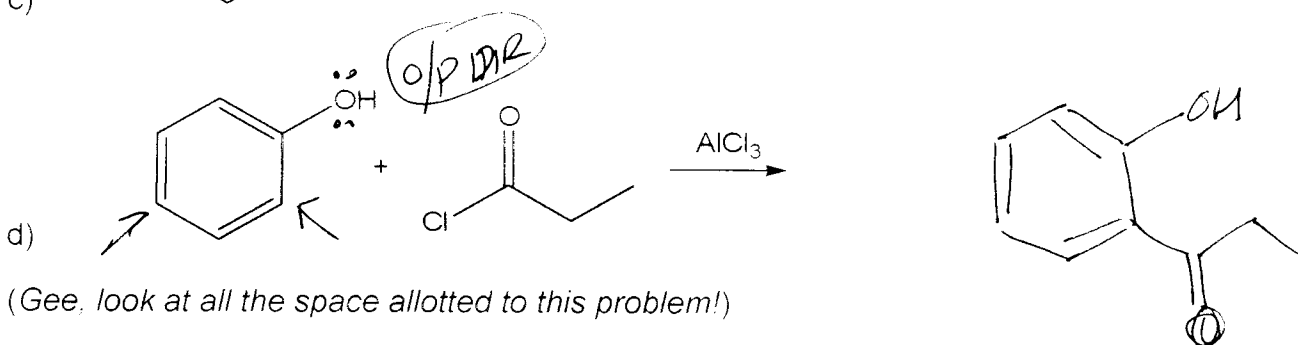
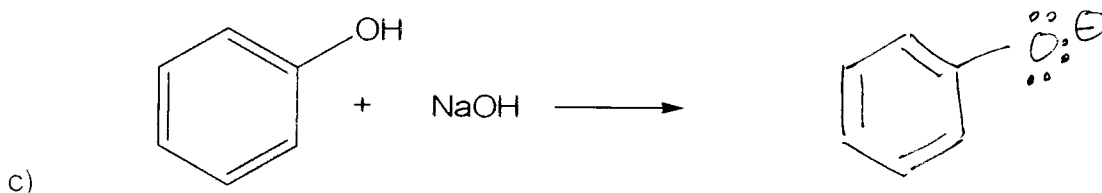
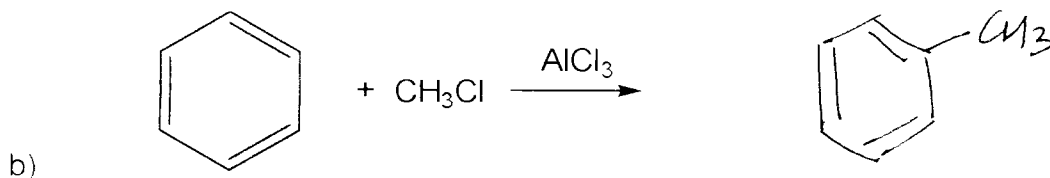
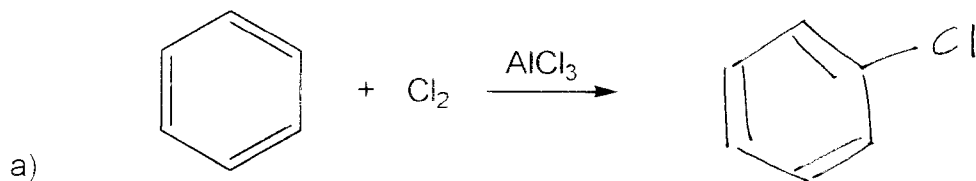
1. Complete the following table

	NAME	FORMULA / STRUCTURE
a	Phenol	
b	TOLUENE	
c	m-Xylene	
d	2-PHENYL-1-PROPANOL	
e	1,4-dichloro-2-nitrobenzene	

KEY

Unless otherwise specified, each question is worth 2 points.

2. Write the structure of the major organic product or products of each of the following reactions:



(Gee, look at all the space allotted to this problem!)

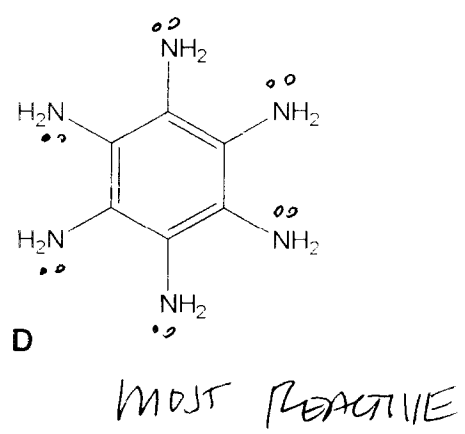
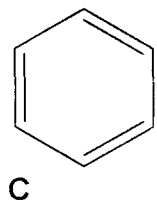
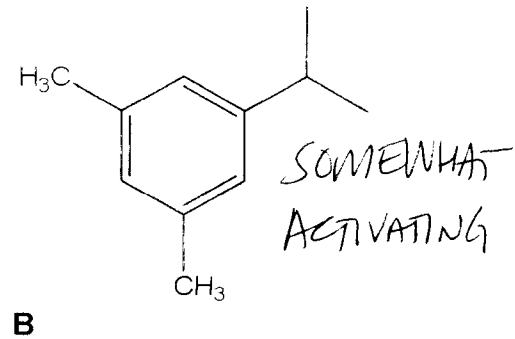
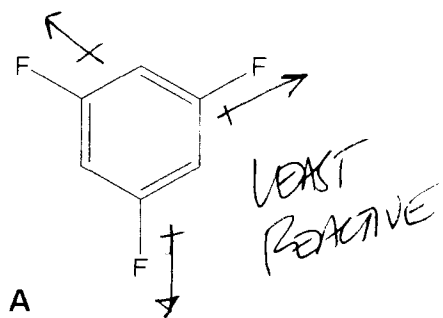
Wallace

revised 4/24/2009

Unless otherwise specified, each question is worth 2 points.

KEY

3. List the following compounds from least reactive to most reactive (to electrophilic aromatic substitution):



A → C → B → D