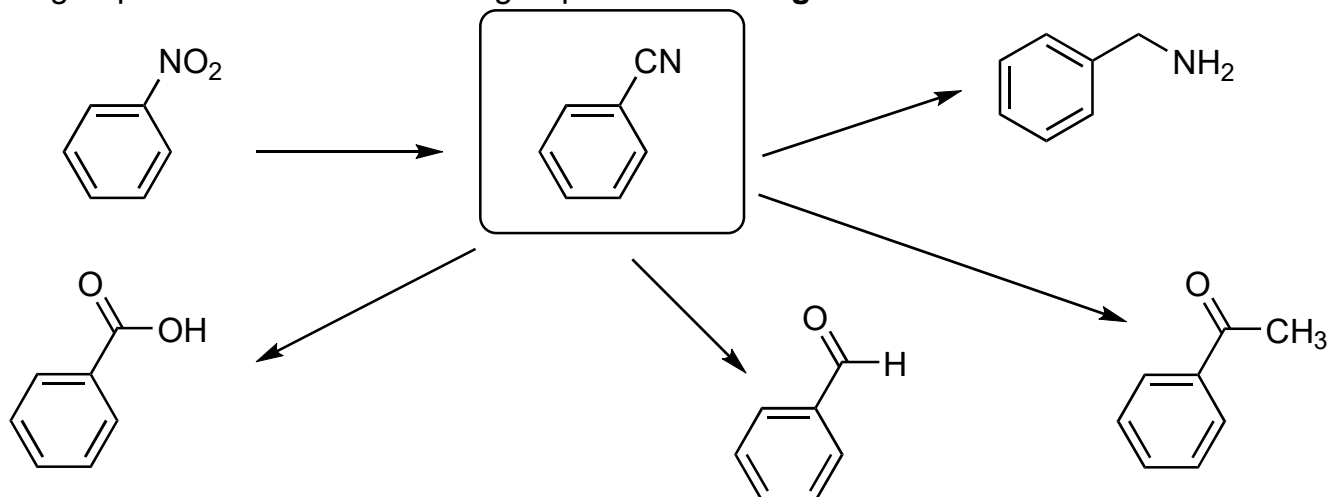


# CHM 4220 Organic Synthesis, Dr. Laurie S. Starkey

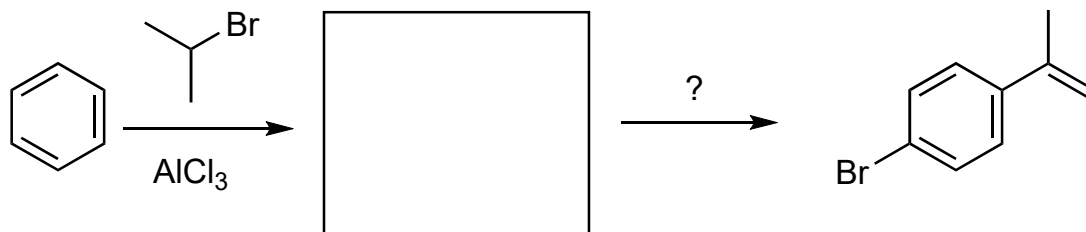
## Aromatic TM homework

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

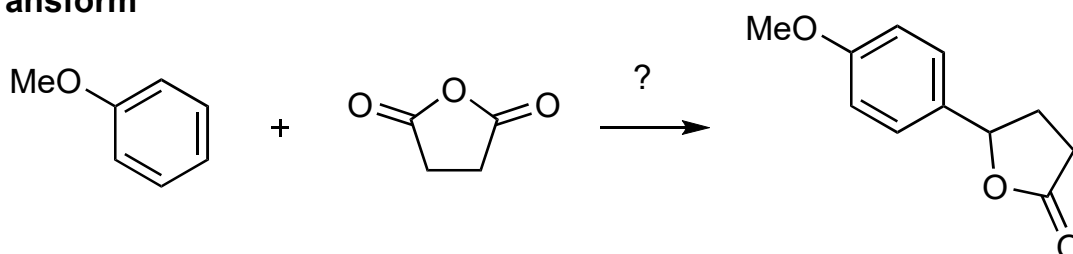
Cyano group is a versatile functional group! **Provide reagents for each transformation.**



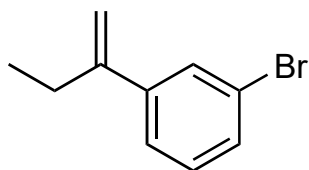
**Predict the major product and continue the transformation to desired product.**



**Transform**



**Synthesize in 3-4 steps from benzene**



**Transform**

