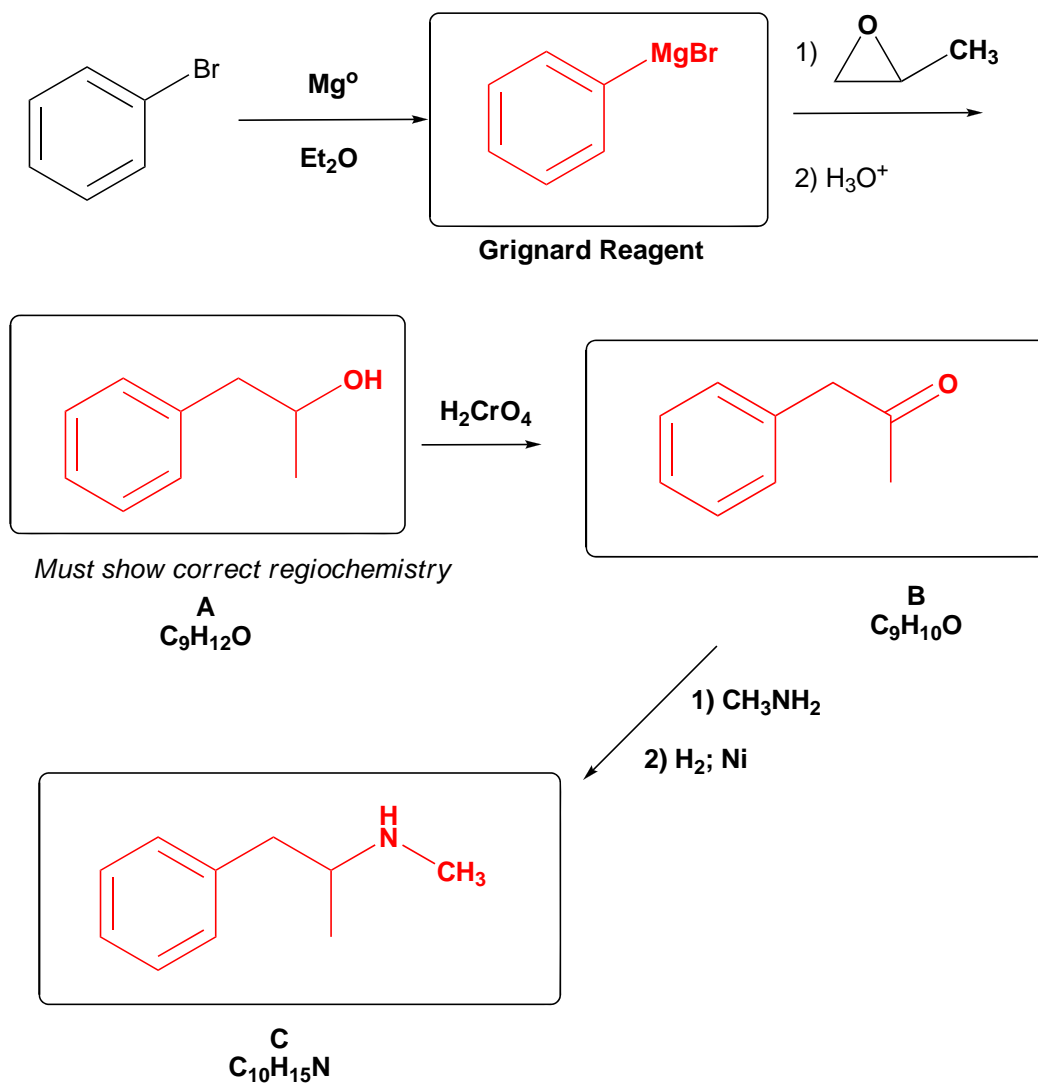
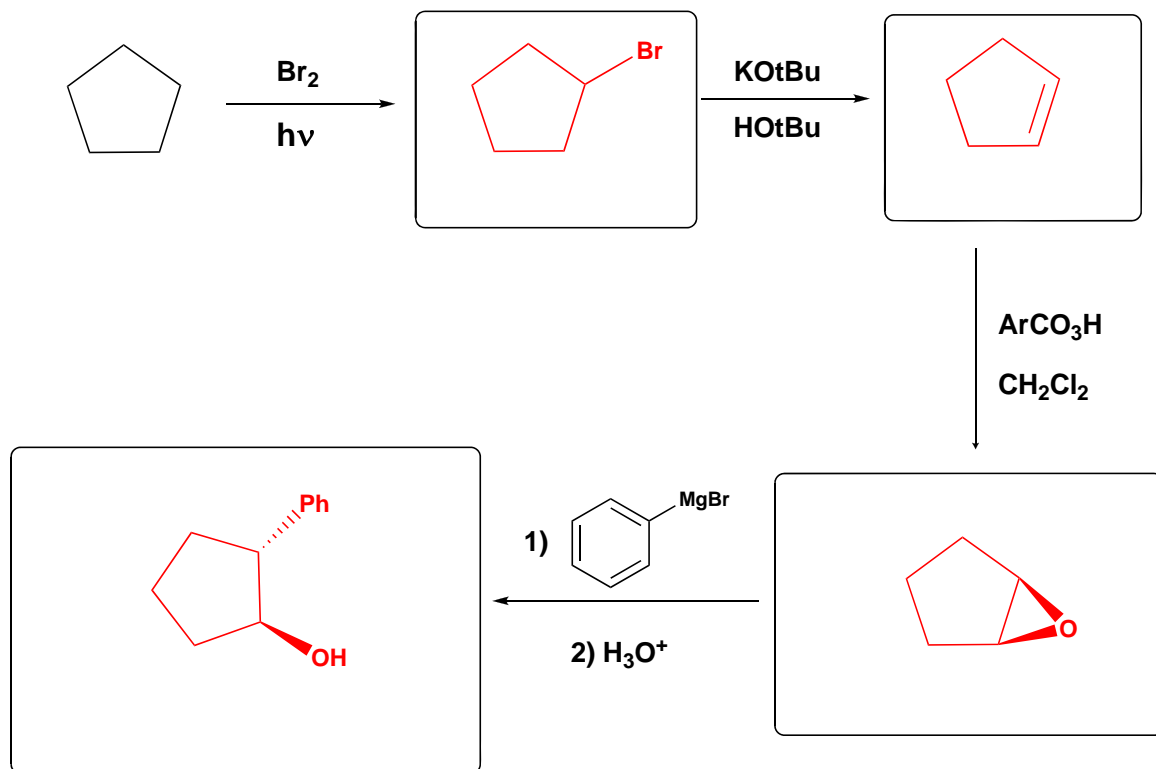


## "Free Style" problem sets for O-Chem 2

1) **Multi-step synthesis:** Provide products for the following sequence of reactions. Draw each product in the box provided and indicate stereochemistry, if any is involved. (*Hint: refer to Rxn Summary handout*)

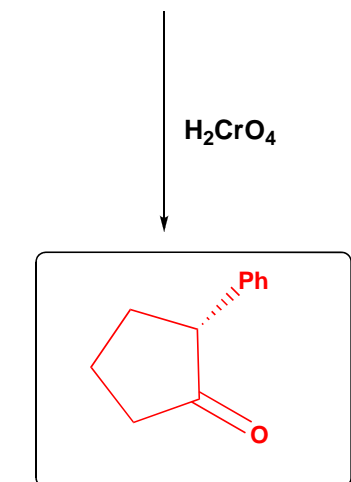


**2) Multi-step synthesis:** Provide products for the following sequence of reactions. Draw each product in the box (structure-n-a-box) provided and indicate stereochemistry, if any is involved. (*Hint: refer to Rxn Summary handout*)



Must show correct stereochemistry

Must show correct stereochemistry



Must show correct stereochemistry

**3) Grignard reagents:** Provide the **reagents** for the following reactions. If more than one step is required (e.g. acid) you must show it.

