Answer the following questions in the space provided. Please take up to fifty minutes to complete the questions.

1. Identify all the functional groups in the following molecule. Classify all haloalkanes, amines and alcohols as primary, secondary, tertiary etc. ten points

![Molecule diagram]

2. Draw a structure that contains an aromatic ring and an ether. You are not limited by the number of carbons in the structure. In other words, the structure can be anything you want as long as you include these two functional groups. four points

![Ether structure]