

## Chem 130: Chemistry for Funeral Services

### Problem Set 7: Due 3/21/06

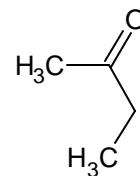
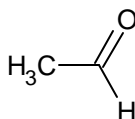
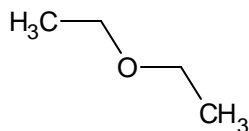
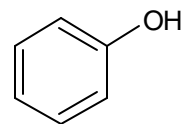
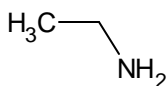
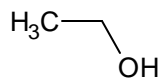
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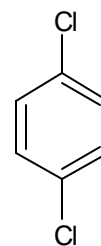
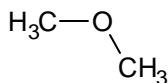
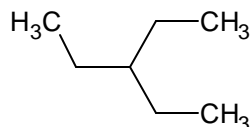
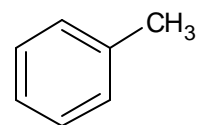
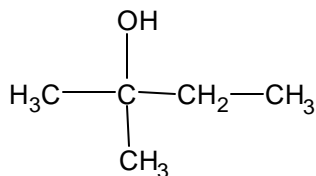
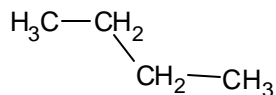
Each question is worth one point except Problem 3 (2 points) and Problem 5 (5 points).

1. What is the combining power of carbon and why? Use atomic theory to explain your answer.

2. Identify the type of functional group in each of the following molecules.



3. Name the following molecules. (2 points.)



4. What is the difference between a primary, a secondary and a tertiary alcohol? Give an example of each.

5. Complete a functional group worksheet for phenols. (5 points.)