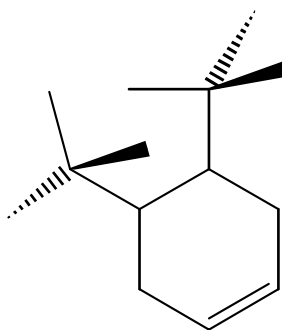
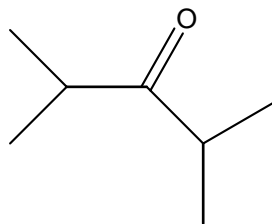


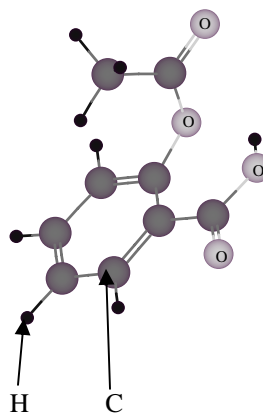
Name:

1. What is the fundamental difference between **saturated** and **unsaturated** hydrocarbons? Illustrate your answer with a simple example of each.

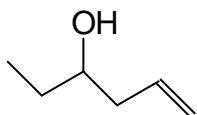
2. Name the class of compound that each of the following molecules belongs to:



3. Identify the **functional groups** in the following molecule (aspirin).



4. Draw a **condensed structure** for:

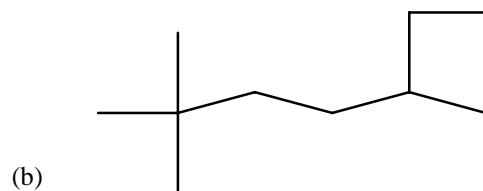
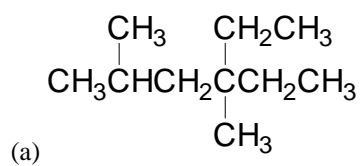


5. Draw **skeletal structures** for the following compounds:

(a) 2-chloro-3,3-dimethylhexane

(b) 3-bromo-3-ethyl-1-pentene

6. Provide **IUPAC names** for the following compounds::



7. Clearly define a **hydrogen bond** using water as an example.

- What is a typical physical property of water that is influenced by hydrogen bonding?

8. Which of the following aromatic compounds will have the **lowest boiling point**:
Justify your answer.

