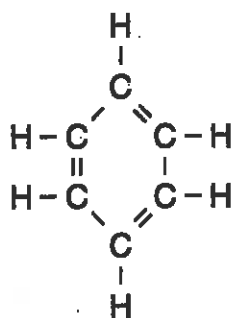
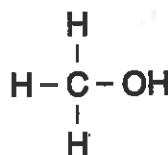
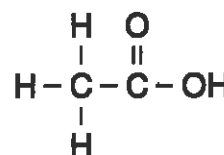
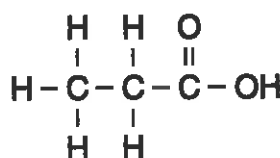
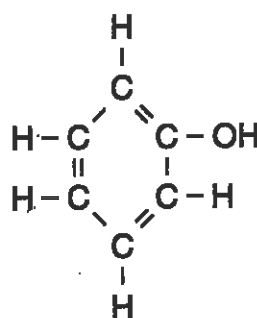
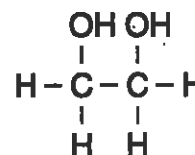


**SECTION**  
**2****Reinforcement****Substituted Hydrocarbons****CHAPTER 23.2 REVIEW**

**Directions:** Determine which of the following compounds are aromatic compounds. If a compound is aromatic, place a plus (+) in the space provided. If a compound is not aromatic, place a minus (–) in the space provided.

**Figure A****Figure B****Figure C****Figure D****Figure E****Figure F**

- |                   |                   |                   |
|-------------------|-------------------|-------------------|
| 1. Figure A _____ | 2. Figure B _____ | 3. Figure C _____ |
| 4. Figure D _____ | 5. Figure E _____ | 6. Figure F _____ |

**Directions:** Use the diagrams above to answer the following questions.

- Which of the compounds are organic acids? \_\_\_\_\_
- How are the structures of the organic acids similar? \_\_\_\_\_
- Which of the substituted hydrocarbons are alcohols? \_\_\_\_\_
- What do the alcohols have in common? \_\_\_\_\_
- Which of the compounds is benzene? \_\_\_\_\_
- What is the formula for the compound in Figure B? \_\_\_\_\_
- Which compounds are substituted hydrocarbons? \_\_\_\_\_
- Which compound has the formula  $C_2H_4(OH)_2$ ? \_\_\_\_\_
- What symbol is used to show benzene? \_\_\_\_\_
- What is the formula for benzene? \_\_\_\_\_



Directed Reading for  
Content Mastery

## Section 1 ■ Simple Organic Compounds

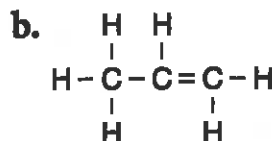
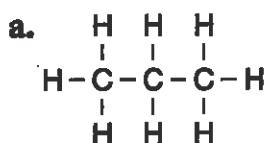
## Section 2 ■ Substituted Hydrocarbons

**Directions:** Circle the term that correctly completes the sentence.

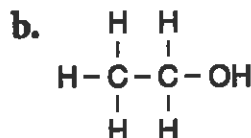
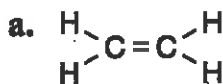
- Carbon atoms can form four (ionic, covalent) bonds with other atoms.
- The carbon compounds made by living things are (organic, inorganic) compounds.
- Methane and propane are (hydrocarbon, aromatic) compounds that are used as fuel.
- Hydrocarbons that are (saturated, unsaturated) contain at least one double or triple bond between carbon atoms.

**Directions:** For each of the following, write the letter of the choice that best answers the question.

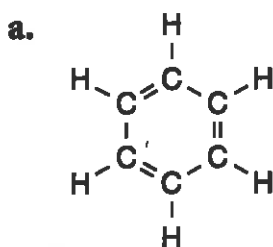
5. Which of these is a saturated hydrocarbon?



6. Which of these is a substituted hydrocarbon?



7. Which of these is an aromatic compound?



8. Which of these is an isomer of the chemical shown at right?

