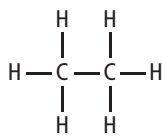
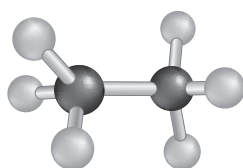
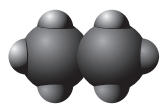


Use with textbook pages 244–248.

## Organic compounds

Using the compound ethane, match the Descriptor on the left with the best Formula / Model that represents ethane on the right. Each Formula / Model may be used only once.

Descriptor	Formula / Model
1. _____ structural formula	A. $C_2H_6$
2. _____ molecular formula	B. 
3. _____ space-filling model	C. 
4. _____ ball-and-stick model	D. 

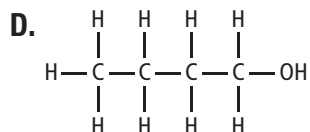
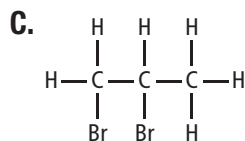
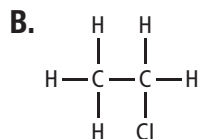
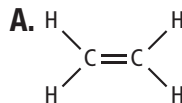
5. What element must always be present in an organic compound?

- A. carbon
- B. oxygen
- C. chlorine
- D. hydrogen


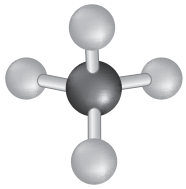
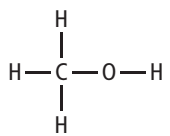
6. Which formula represents a hydrocarbon?

- A.  $HClO_3$
- B.  $CH_3COOH$
- C.  $CH_3CH_2CH_2COOH$
- D.  $CH_3CH_2CH_2CH_2CH_3$

7. Which of the following represents an alcohol?



8. Which of the following represents methane,  $CH_4$ ?

I.	
II.	
III.	

- A. I and II only
- B. I and III only
- C. II and III only
- D. I, II, and III