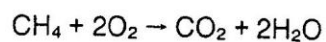


# Skillsheet 7-2

## Complete Burning of Fuels

In the complete burning of the fuels listed below, the fuel combines with oxygen ( $O_2$ ) from the air to form carbon dioxide ( $CO_2$ ) and water ( $H_2O$ ). A balanced chemical equation for the complete burning of methane ( $CH_4$ ) is



For each fuel listed below, write a balanced chemical equation for the complete burning of that fuel.

1. butane  $C_4H_{10}$  \_\_\_\_\_
2. propane  $C_3H_8$  \_\_\_\_\_
3. ethyl alcohol  $C_2H_5OH$  \_\_\_\_\_
4. methyl alcohol  $CH_3OH$  \_\_\_\_\_
5. ethylene  $C_2H_4$  \_\_\_\_\_
6. ethane  $C_2H_6$  \_\_\_\_\_
7. gasoline  $C_8H_{18}$  \_\_\_\_\_
8. benzene  $C_6H_6$  \_\_\_\_\_
9. acetylene  $C_2H_2$  \_\_\_\_\_
10. propylene  $C_3H_6$  \_\_\_\_\_