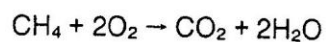


Skillsheet 7-2

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 _____