

Name _____ Period _____ Date _____

Chemistry: Balancing Combustion Equations Worksheet

Write the balanced chemical equation for each of the reactions.

1. Ethane (C_2H_6) reacts with oxygen to form carbon dioxide and water.
2. Ethanol ($\text{C}_2\text{H}_5\text{OH}$) reacts with oxygen to form carbon dioxide and water.
3. Propane (C_3H_8) reacts with oxygen to form carbon dioxide and water.
4. Propanol ($\text{C}_3\text{H}_7\text{OH}$) reacts with oxygen to form carbon dioxide and water.
5. Butane (C_4H_{10}) reacts with oxygen to form carbon dioxide and water.
6. Octane (C_8H_{18}) reacts with oxygen to form carbon dioxide and water.
7. Acetylene (C_2H_2) reacts with oxygen to form carbon dioxide and water.
8. Acetone ($\text{C}_3\text{H}_6\text{O}$) reacts with oxygen to form carbon dioxide and water.
9. Toluene ($\text{C}_6\text{H}_5\text{CH}_3$) reacts with oxygen to form carbon dioxide and water.
10. Decane ($\text{C}_{10}\text{H}_{22}$) reacts with oxygen to form carbon dioxide and water.