

Name: _____ Period: _____ Date: _____

Complete and Incomplete Combustion

Exit Quiz – Student Edition

I. MULTIPLE CHOICE – Select the best answer to each question below.

- Which of the following are the products of an incomplete combustion reaction?
 - Water and carbon dioxide
 - Water and carbon monoxide
 - Carbon and carbon dioxide
 - Carbon dioxide and carbon monoxide
- The fuel ethene is used to heat a beaker of water. After the experiment, the student noticed soot on the bottom of the beaker. What can we infer about this situation?
 - Oxygen was limited.
 - An orange flame was used.
 - The airhole on the Bunsen was closed.
 - All of these are correct.
- Which of the following shows the correct products of the complete combustion of hexane?
 - Hexane + oxygen \rightarrow water + carbon dioxide
 - Hexane + oxygen \rightarrow water + carbon + carbon monoxide
 - Hexane + oxygen \rightarrow water + carbon monoxide
 - Hexane + oxygen \rightarrow carbon dioxide

II. TRUE OR FALSE – Decide if each of the following statements are true or false.

- More heat energy is released during incomplete combustion than during complete combustion.
- The source of oxygen for most combustion reactions is the oxygen found in the air.

