

Complete and Incomplete Combustion

Bell work – Student Edition

MULTIPLE CHOICE. Select the best answer.

- Which of the following molecules is a hydrocarbon?
 - CO_2
 - CH_4
 - NH_4
 - C

- Name the alkane: C_3H_8
 - Methane
 - Ethane
 - Propane
 - Butane

- In a fractionating column, petroleum condenses higher up the column than diesel which condenses higher up than bitumen. Which of the following is true about these fractions?
 - Petroleum has a lower boiling point than diesel and bitumen and is a smaller molecule.
 - Bitumen has a lower boiling point than diesel and bitumen and is a larger molecule.
 - Petroleum has a lower boiling point than diesel and bitumen and is a larger molecule.
 - Diesel has a higher boiling point than petroleum and bitumen and is a larger molecule than both petroleum and bitumen.

- Which of the statements is true regarding the physical properties of hydrocarbons?
 - All hydrocarbons are liquids.
 - All hydrocarbons are gases.
 - Smaller hydrocarbons have higher boiling points and melting points.
 - Larger hydrocarbons have higher boiling points and melting points.

