

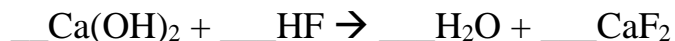
Name:

Date:

Period:

Quiz 3: Classifying Reactions, Stoichiometry

1. When calcium hydroxide reacts with hydrofluoric acid, water and calcium fluoride are produced.



- a. Write the balanced chemical equation

- b. Classify the type of reaction

- c. How many moles of hydrofluoric acid are required to react to produce 1.72 moles of water?

2. A handheld lighter uses butane as its fuel. When butane (C_4H_{10}) is burned in air, it forms carbon dioxide and water.



- a. Write the balanced chemical equation

- b. Classify the type of reaction

- c. If 19.4 moles of oxygen reacted, how many moles of carbon dioxide were produced?