

Read Reaction Ratios: Explore and Explain



Name: _____ Date: _____

Explore the material. Talk through your reasoning with suitable support.

A balanced model reaction

$2 \text{H}_2 + \text{O}_2 \rightarrow 2 \text{H}_2\text{O}$. The coefficients give mole ratios: 2 moles of hydrogen react with 1 mole of oxygen to form 2 moles of water, assuming the reaction proceeds as modeled.

1. What is the $\text{H}_2:\text{O}_2$ mole ratio?

2. How many moles of O_2 are needed for 6 moles of H_2 ?
