

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

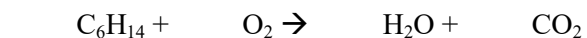
*Explanation can be found at [www.MrRast.com](http://www.MrRast.com)*

## Stoichiometry Exam Practice Problem

### Problem

1. When ignited, hexane combusts with oxygen to produce water and carbon dioxide. 0.21 g of hexane and 0.69 g of oxygen were placed in a specialized container and then combusted.

Balance the equation: Place coefficients where they belong:



Calculate the mass of hexane in grams. Show all work, units and proper significant figures in your answer. Circle your answer.

Calculate the mass of oxygen in grams. Show all work, units and proper significant figures in your answer. Circle your answer.

Calculate the mass of water in grams. Show all work, units and proper significant figures in your answer. Circle your answer.

Calculate the mass of carbon dioxide in grams. Show all work, units and proper significant figures in your answer. Circle your answer.