

Analogy Map

Use the components in the calorimeter column to identify a component in cellular respiration that shares the same function or characteristic. In the last column, explain your reasoning.

Using a calorimeter	is/are like ...	Cellular respiration	They are alike because ...
Oxygen in container			
Food sample			
Water in surrounding chamber with oxygen and food sample			
Ignitor and coil		Enzyme molecules in our cells	Jump start the combustion reaction
Energy transferring from the food combustion system to water			

How are they different?

The calorimeter needed an input of energy, but cellular respiration occurs at our body temperature thanks to enzyme molecules in our cells. **Identify** and **describe** two other ways cellular respiration and the use of the calorimeter are different (they do not have to be on the analogy map list).

1.

2.