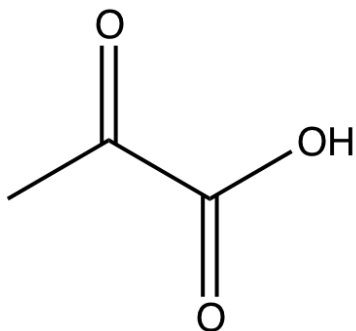


NAME: \_\_\_\_\_

Quiz 1



**Molecular Mass:** \_\_\_\_\_

**Balanced combustion equation:**

**Bonds broken:**

Bond Type	Moles of Bonds	Energy per Mole	Total Energy
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Total Energy Required =  $\Delta H$  (breaking bonds) =

**Bonds Formed:**

Bond Type	Moles of Bonds	Energy per Mole	Total Energy
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Total Energy Released =  $\Delta H$  (forming bonds) =

$\Delta H_{\text{combustion}} = \Delta H$  (breaking bonds) -  $\Delta H$  (forming bonds) =

How much energy is released per unit mass (Cal/g)?