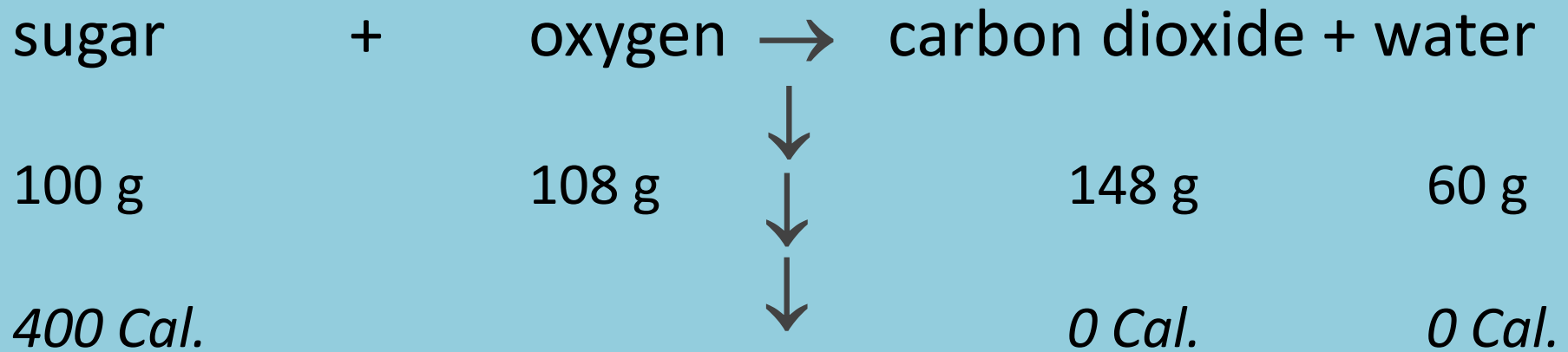
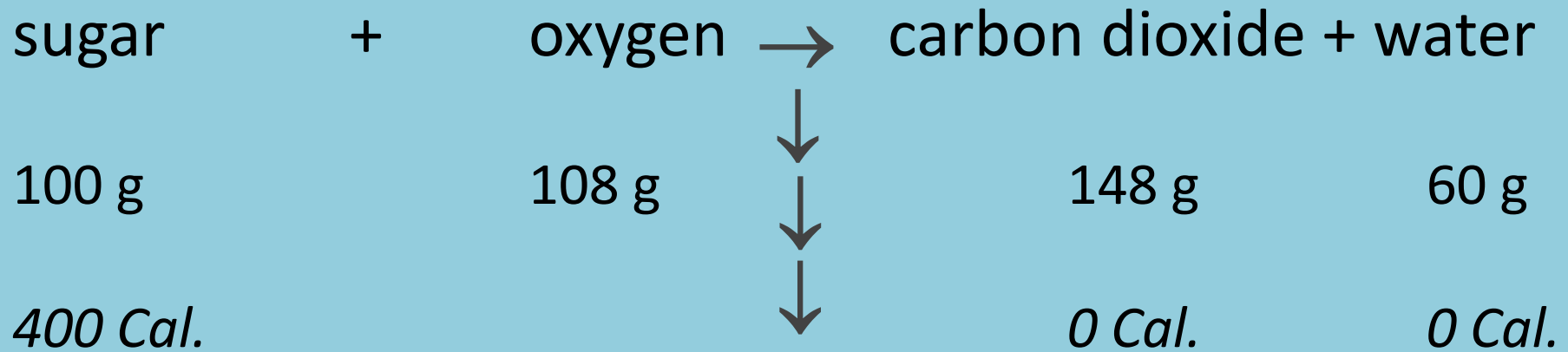


# Combustion



***Produces about  
400 Cal. heat & light***

# Respiration



***Produces about  
160 Cal. of cellular energy***

# Review Questions

1. What is the purpose of cellular respiration?
2. What process provides the energy needed for cellular respiration?
3. What process synthesizes sugar from carbon dioxide and water?
4. What provides energy for the synthesis of sugar?
5. Why does the consumption of 400 calories of sugar only generate 160 calories of cellular energy?

# Review Questions

1. What is the purpose of cellular respiration? **It generates energy for our cells.**
2. What process provides the energy needed for cellular respiration? **the oxidation of sugar**
3. What process synthesizes sugar from carbon dioxide and water? **photosynthesis**
4. What provides energy for the synthesis of sugar? **sunlight**
5. Why does the consumption of 400 calories of sugar only generate 160 calories of cellular energy? **The second law of thermodynamics.**