

# Calorie Calculation

## Begin with...

- Amount of water used = ( \_\_\_ milliliters = \_\_\_ grams)
- Temperature of water in °C before burning
- Temperature of water in °C after burning
- Difference in temperature

$$\text{calories} = (\text{mass of water in grams}) \times (\text{temperature change in } ^\circ\text{C})$$

## Example:

- 100 grams of water are heated, and the temperature increases by 10°C;

$$\text{calories} = (100 \text{ grams of water}) \times (10^\circ\text{C})$$

$$\text{calories} = 1000$$

- This calculation is in small calories. There are a thousand calories in a food Calorie, or large Calorie. To convert calories to Calories, divide the number of small calories by 1000.

$$\text{Calories (food)} = \text{small calories} / 1000$$

# Algaculture

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