

LESSON  
**102**

FOLLOW-UP

# Counting Calories

## Calorimetry Calculations

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

### Purpose

To compare calories in snack foods.

### Analysis

1. List all the types of data your group collected.
2. How did you decide what data were important for your experiment?
3. What is a calorie?
4. What role did water play in this experiment?
5. Why do you need to know the mass of the snack food burned?
6. List two difficulties you had in completing the experiment.
7. **Making Sense** Which snack food provides more fuel for your body, cheese puffs or toasted corn snacks? What evidence do you have to support your answer?
8. **If You Finish Early** You heat 30 mL of water by burning a single 1.5 g potato chip. The temperature of the water is 25 °C at the beginning of the experiment and is 65 °C at the end. How much heat was transferred during the combustion?