

Do the activities, answer the questions, **then** check the answers.

**Answers****Check****7.1**

1. Compare cellular respiration in plants and animals.

2. What is the ultimate source of energy for most living systems?

**7.2**

1. In what way is the "burning" of the marshmallow in the fire and in Tom the same? How is it different?

**7.3**

1. Name six processes in plants and animals that need energy in the form of ATP.

1. What happens when the cell requires energy?

**7.4**

Describe the transfer of energy in this reaction.

1. What do the orange lines represent?

2. Which of the two lines most likely represents the same type of reaction as the Hindenburg, an uncontrolled release of energy?

3. Which line most likely represents the potential energy that could be captured and used in cellular respiration?

4. Explain why the following statement is incorrect: "Process B releases more energy than process A."