Name _____ Period _____ Date _____

SECTION 2.2 | CELLS CAPTURE AND RELEASE ENERGY.

Reading Study Guide B

BIG IDEA All cells need energy and materials for life processes.

KEY CONCEPT Cells capture and release energy.

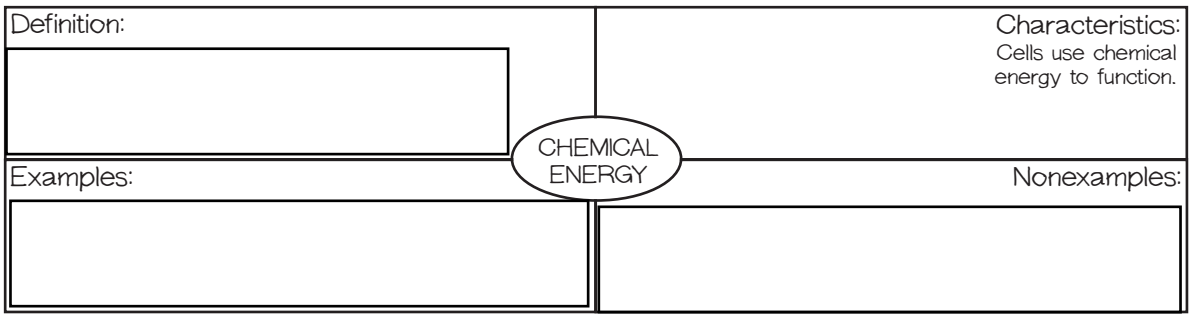
Review

Plants make their own food; animals do not.

Take Notes

I. All cells need energy. (p. 47)

1. Fill in the four square diagram for *chemical energy*.



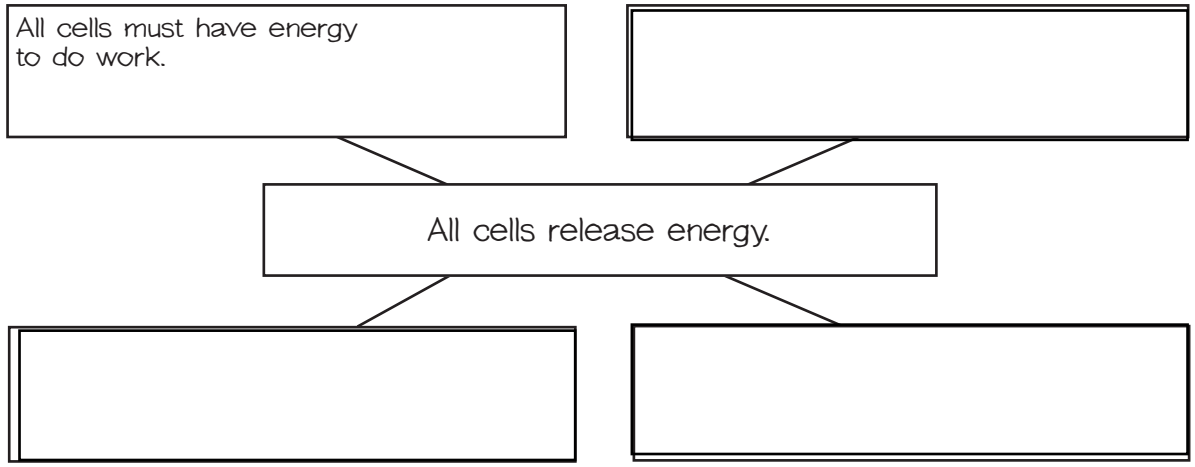
II. Some cells capture light energy. (pp. 48–49)

2. Fill in the combination notes to describe photosynthesis. Be sure to include the term *chlorophyll*.

Notes	Sketch to Explain
1. The plant takes in _____ and _____.	
2.	
3.	
4.	

III. All cells release energy. (p. 50)

3. Fill in the main idea web for the main idea shown.



A. Cellular Respiration, Fermentation, and Energy and Exercise (pp. 50–54)

4. Complete the combination notes about the process of cellular respiration.

Notes	Sketch to Explain
1. The starting materials are glucose and oxygen. 2. 3.	

5. When do your muscle cells use respiration? When do they use fermentation?