Chapter 8 Reading Answers

Section 1

Read to Learn:

1. Energy can change form, but cannot be created or destroyed.
2. Circle the plant.
3. Catabolic- energy released; anaboloic- energy used
4. Cellular respiration on the right, photosynthesis on the left
5. Circle the line between the second and third phosphate in the phosphate group

Section 2

Read to Learn:

1. To build complex sugars and carbohydrates
2. B
3. Draw an enlarged picture of the granum, showing stacks of thylakoids
4. In autumn, plants break down their chlorophyll, and other pigments of the leaves can be seen.
5. Light absorbing pigments and proteins
6. NADPH
7. Phase one: NADPH and ATP; phase two: glucose
8. Deserts and salt marshes

Section 3

Read to Learn:

1. Carbon dioxide
2. Glycolysis: cytoplasm; Krebs cycle: mitochondria; electron transport: mitochondria
3. Glycolysis and fermentation
4. plants