

Key Concept Builder **LESSON 1*****Energy Processing in Plants*****Key Concept** What is the relationship between photosynthesis and cellular respiration?**Directions:** Put a check mark in the appropriate space to show which process is being explained.

Process	Photosynthesis	Cellular Respiration
1. Carbon dioxide is one of the reactants.		
2. Energy in the form of ATP is released.		
3. Glucose is a product.		
4. This occurs within chloroplasts.		
5. This process requires light energy.		
6. One of the products is water.		
7. Sunlight is needed for this process.		
8. This process takes place in mitochondria.		
9. The result is a usable form of energy called ATP.		
10. Oxygen must be present as a reactant.		
11. Life depends on this process.		
12. This occurs in plants.		
13. Oxygen is released from the plant.		
14. These processes are interrelated.		
15. Water molecules are split apart.		
16. Atoms combine to form sugar.		
17. This is required for growth and tissue repair.		
18. It produces 90 percent of oxygen in the atmosphere.		

Directions: Answer the question on the lines provided.**19.** How are photosynthesis and cellular respiration interrelated?
