

Connect Matter and Energy in Cells: Apply and Create



Name: _____ Date: _____

Use what you learned to explain, construct or apply an idea.

Two simplified processes

Photosynthesis uses light energy, carbon dioxide and water to produce sugars and oxygen. Cellular respiration uses sugars and oxygen to release usable energy, producing carbon dioxide and water. Plants carry out both processes. These statements summarize complex pathways.

1. Explain how the products of one process connect with the inputs of the other.

2. Is energy endlessly recycled in exactly the same way as matter?
