

Name:

Date:

Period:

Photosynthesis and Cellular Respiration

For the past couple of weeks, you have been learning about the processes of forming energy in our cells. The processes of photosynthesis and cellular respiration are vital in the production of our energy sources known as ATP. These processes are quite different, but they involve many of the same processes and features found in the cells of various organisms.

Objective: Compare and contrast the similarities and differences of photosynthesis and cellular respiration using your notes and reinforcement questions as your evidence to cite.

Photosynthesis	Cellular Respiration

Similarities

Think about it

How are photosynthesis and cell respiration similar and different?

In a way, everything we eat depends on photosynthesis. Describe how a breakfast of bacon and eggs depends on photosynthesis.

One of the reasons plants are important to us is because they reduce the amount of carbon dioxide in the atmosphere and increase the amount of oxygen, which we need to breathe. Explain how this statement relates to the chemical equation for photosynthesis.

We need to eat food and breathe in oxygen in order to stay alive. We also breathe out carbon dioxide gas. Explain how these statements relate to the chemical equation for cell respiration.
