

Cell Processes: Photosynthesis and Cellular Respiration Characteristics

Use the following as characteristics of Photosynthesis, Cellular Respiration, or both in the Venn Diagram on cell processes.

Opposites	B	Uses a waste product of humans	P
Occurs in plant cells	B	Process in which cells get energy	B
Occurs in plant and animal cells	CR	Necessary for the survival of plants and animals	B
Uses light energy to make food/glucose	P	Breaks down food/glucose to release energy (ATP)	CR
Provides a necessary gas for humans	P	Uses water, light energy, and carbon dioxide to make glucose and oxygen	P
Consumes Carbon Dioxide	P	Uses glucose and oxygen to make carbon dioxide, water, and energy (ATP)	CR

Used by autotrophs B

used by heterotrophs

CR