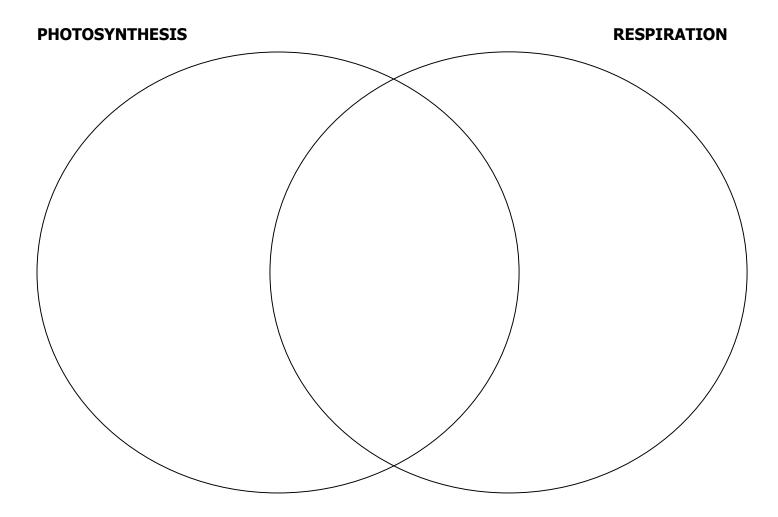
Processing Energy Processes

D	ooes diffusion require energy to be released during cellular respiration? YES NO
Γ	he process where water moves across a cell membrane is called
٨	What does it mean to be autotrophic ? List two autotrophs with your explanation.
_	
٨	What does it mean to be heterotrophic ? List two heterotrophs with your explanation.
_	
_	
W	What process do plants use to make food from sunlight, water, and carbon dioxide?
[r	n which organelle does photosynthesis take place?
V	What process do organisms use to release the energy stored in food when oxygen is present?
ir	n which organelle does respiration take place?
W	What is the name of the energy releasing process that does NOT use oxygen?
_	
Η	low is fermentation different than respiration? (List <i>two</i> differences)

11. All energy ultimately comes from the ______ .

12. Fill in the following Venn diagram comparing photosynthesis and cellular respiration. List **AT LEAST 3** similarities and differences. Think of molecules, purpose, organelles, etc. as you fill in the Venn diagram.



13. What would happen to animals if plants didn't exist? (Explain the importance of photosynthesis, which occurs in autotrophs, to heterotrophs with a diagram that shows the flow of energy using **words AND pictures**!)