Cellular Processes Review	Name: _	Date:
Fill in the following blanks using catalyst for photosynthesis.	ng the words	s for the reactants, products, and
Reactants:	+	
Products:	+	
Fill in the following blanks using catalyst for <u>cellular respiration</u>	_	s for the reactants, products, and
Reactants:	+	
Products: + _		+
 During photosynthesis, which mac is produced? A) carbohydrates B) nucleic acids C) lipids D) proteins If an organism can undergo photos it an autotroph or a heterotroph? Howknow? 	ynthesis, is w do you	4. Scientists recently found a forest that has very high CO ₂ levels. Would you expect the trees in this forest to be larger, smaller, or the same size as trees found in a forest with much less CO ₂ ? Assume that all other conditions are exactly the same (amount of water, sunlight, temperature, etc.). Explain your answer in terms of photosynthesis.
3. Scientists discovered a new organi make its own chemical energy throug photosynthesis. They took cells from organism and studied the cells under microscope. Which of the following wlikely NOT be found in these cells? A) Cell membrane B) Cell wall C) Chloroplast D) Small vacuoles	h the a	5. What do humans give plants that plants use in photosynthesis? A) Oxygen B) Glucose C) Carbon Dioxide D) Sunlight

6. Why is photosynthesis important to humans? You should have TWO reasons.	11. True or False : Oxygen is required for lactic acid fermentation.
7. What is the catalyst for photosynthesis? A) Carbon Dioxide B) Sunlight C) Oxygen	12. Aerobic respiration produces MORE/LESS (circle one) ATP than anaerobic respiration
D) Glucose 8. True or False: Plants need oxygen to do	13. After football practice, Deonte is always hungry so he eats an apple right after he gets home. As a result of
photosynthesis. 9. Use the following words to complete the paragraph about cellular processes.	photosynthesis, that apple has a specific type of chemical energy stored in it. What is that chemical energy?
Photosynthesis Cellular Respiration Light Glucose ATP Chemical Autotrophs Hetertorophs	14. When he eats the apple, Deonte's cells perform what cellular process to release energy in the apple?
energy from the sun is converted into energy during the process of which occurs only in plants. Then, that chemical energy (in the form of) is changed into another form of chemical energy called during the process of Humans and animals are because	15. This process produces what form of energy that Deonte's cells can use directly? 16. Draw a picture below of an animal
they need to eat other things to obtain their energy, but plants are because they make their own food.	and a plant and show how they give each other the molecules they need. (Hint: You should show the reactants and products of cellular respiration and photosynthesis).
10. A scientist measures the initial amount of ATP produced from yeast. After two days, the rate of ATP in the yeast has increased. Which process can explain the	

increase?

C) Diffusion

A) PhotosynthesisB) Chemical reactions

D) Cellular Respiration