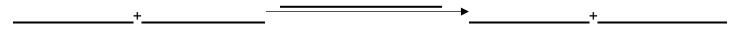
Photosynthesis Quiz - BIO.2d

1. Use the following terms to fill in the blanks* in the chemical equations for photosynthesis. Not all terms will be used. (1pt per line; 5 pts total)

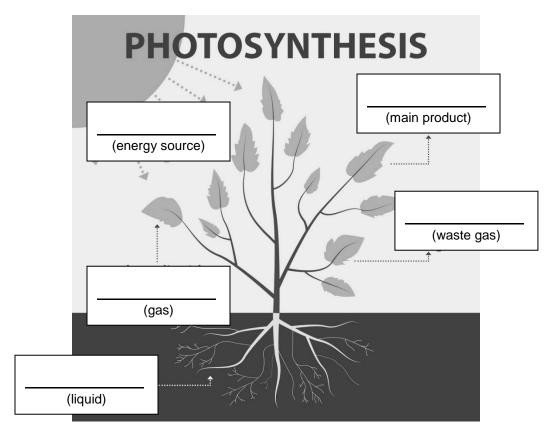
36 ATP	C ₆ H ₁₂ O ₆ (Glucose)	6 CO ₂	6 H₂O	6 O ₂	Light Energy
--------	--	-------------------	-------	------------------	--------------

Photosynthesis Chemical Equation



2. Use the following terms to complete the diagram of photosynthesis. <u>Not all terms will be used.</u> (1pt per box; 5pts total)

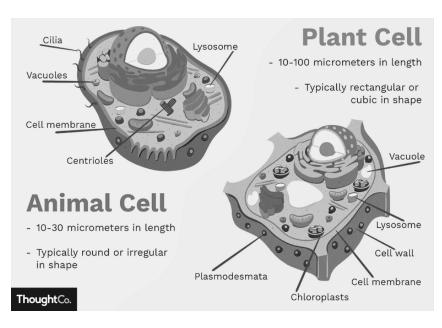
Carbon dioxide	Heat	Light	Nitrogen	Oxygen	Sugar	Water	



3. Circle the 3 types of organisms that are capable of photosynthesis. (3pts)

Animals Fungi Plants Protists Bacteria

4. Most plant leaves are green because of the pigment <u>chlorophyll</u>. Explain the role of <u>chlorophyll</u> in photosynthesis. (1pt)



 The diagram shows an animal cell and a plant cell. Explain why the plant cell can perform photosynthesis, but the animal cell cannot. (2pts)

The plant cell can do photosynthesis

because			

The animal cell can't do photosynthesis

because			

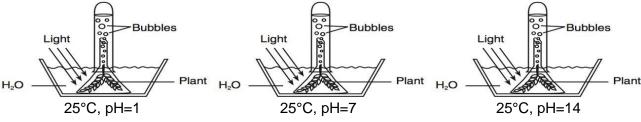
6. Most animals rely on plants' ability to do photosynthesis. Describe <u>two</u> reasons why animals benefit from plant photosynthesis. (2pts)

I.			
II.			

7. Describe one similarity and one difference between photosynthesis and chemosynthesis. (2pts)

8. Describe the function of photosynthesis in plants. (1pt)

9. A student performed the experiment pictured below to test the effect of pH on oxygen production in a plant. Identify the parts of her experiment. (4pts)



Identify the:

- Control _____