

Name _____ Lab Section T or TH

HOMEWORK # 2

Answer the questions below. This assignment is due on _____ at the start of lecture and will not be accepted late. You must hand write your answers and not exceed the space allotted. Students who cut and paste from online sources will receive ZERO points for this assignments.

Energy Questions:

1. Describe the structure of the chloroplast. You may draw a diagram.

2. Define:
carotenoids:

photon:

autotroph:

3. Explain the general function of
a) the light dependent phase of the photosynthesis

b) the light independent phase of photosynthesis

4. What are the
 - a) reactants for photosynthesis?
 - b) Products of cell respiration?
5. Where does glycolysis occur in the cells of animals?
6. Name the anaerobic process that follows glycolysis if no oxygen is available to the cell?
7. Draw a diagram of an animal cell's mitochondria. Label the inner and outer membrane, cristae, matrix and intermembrane space.

Cell Division Questions.

8. Draw a diagram of the cell cycle; Include all phases, subphases and check points.

9. Define:

Chromatid:

Homologous pair

Cytokinesis

Synapsis

Crossing Over

Independent Assortment

Centriole

Centromere

Somatic Cell

Germ Cell

Diploid

Haploid

Syngamy

End Product of Mitosis

End Product of Meiosis