

Cell Theory

- 1 In this area you should list the three criteria of the cell theory. You will be assessed on accuracy, color and
- 2 neatness.

3

Characteristics of Living Things

1. List each specific
 2. characteristic from your
 3. notes here. Provide a small
 4. drawing to coincide with the
 5. characteristic. For example,
 6. All living things must have
- cells; you could draw a picture of a red or white blood cell. You will be assessed on accuracy, color and neatness.

Cell Cycle: Circle Graph

Draw the Cell Cycle Circle Graph that you should have drawn in your notebook. Label all parts, including G1, S, G2, Mitosis (all phases) and Cytokinesis. You will be assessed on accuracy, color and neatness.

Phases of Mitosis

Draw out all 6 phases of mitosis starting at Interphase and ending at Cytokinesis. Include a brief description about what is happening under each drawing. You will be assessed on accuracy, color and neatness.

Cell Transport

Passive:

List and describe what passive transport is and what it's used for. Then list the two specific types of passive transport, diffusion and osmosis, describe the process and provide a drawing that accurately shows what occurs. You may use your text or EOG practice book to do this. You will be assessed on accuracy, color and neatness.

Active:

List and describe what active transport is and what it's used for. Then list the three specific types of active transport: transport proteins, endocytosis and exocytosis, describe the process and provide a drawing that accurately shows what occurs. You may use your text book or EOG practice book to do this. You will be assessed on accuracy, color and neatness.

Side 2

Cell Diagrams with Organelles Labeled

Animal

Draw a diagram of an animal cell that contains the organelles from your cell organelle chart you created in the computer lab. You may also use the sketch you drew or your text or EOG book to assist you. All organelles should be drawn accurately with color and labeled/spelled correctly.

Plant

Draw a diagram of a plant cell that contains the organelles from your cell organelle chart you created in the computer lab. You may also use the sketch you drew or your text or EOG book to assist you. All organelles should be drawn accurately with color and labeled/spelled correctly.

Cells and Energy

Photosynthesis

(Equation and Description)

Accurately write out the photosynthesis equation. Then describe the reaction and where it occurs, in your own words below. In your description, explain why photosynthesis is an essential reaction for life on earth (land and water).

Respiration

(Equation and Description)

Accurately write out the respiration equation. Then describe the reaction and where it occurs, in your own words, below. In your description, explain why respiration is an essential reaction for life on earth (land and water).

Photosynthesis and Respiration Relationship

Describe or show the relationship between these two reactions. Explain how this is significant for life on earth.

Title Page

Cell
Brochure
and Study
Guide

Name, Block # and Date