

**STATION ONE: Cells in Living Things!**

**Directions:**

1. Read the brief introduction paragraph on the sheet provided and then define the terms given
2. Read the two small paragraphs about the human nerve cells versus plant cells. Next examine the picture of what these cells look like under a microscope. Then complete the table for Cells from Leaves and Nerves provided on the handout.
3. Next repeat step two for the comparison between dinosaur bone and human bone.

**STATION TWO: Rap City... “Cells Cells-Parts of the Cell Rap” & “They Grow”**

**Directions: YOU WILL NEED TO WRITE YOUR ANSWERS ON YOUR OWN SHEET OF NOTEBOOK PAPER!**

1. Quickly read the questions below for video #1, “Cells Cells-Parts of the Cell Rap”
2. Go to YouTube on your phone and type in “Cells Cells-Parts of the Cell Rap” (time-3:09)
3. Next watch the video and answer the questions that are below:
  - a. What are cells made of? \_\_\_\_\_
  - b. What is the name of the gel-like substance that holds together all types of cells?  
\_\_\_\_\_
  - c. Based on the rap, identify the functions of the following:  
nucleus \_\_\_\_\_; mitochondria \_\_\_\_\_; ribosomes \_\_\_\_\_
  - d. The rap describes the cell membrane as “blockin’ the scene” and “border patrol”.  
In your own words, describe what this means.  
\_\_\_\_\_  
\_\_\_\_\_
  - e. What are the two “extra” parts of a plant cell? \_\_\_\_\_
4. Quickly read the questions below for video #2, “They Grow”
5. Go to YouTube on your phone and type in “they grow-science rap academy” (time-2:12)
6. Next watch the video and answer the questions that are below:
  - a. What color lights are absorbed by the plant & then converted? \_\_\_\_\_
  - b. Where does the absorption of light happen in the plant? \_\_\_\_\_
  - c. What is the most important process on the Earth? \_\_\_\_\_
  - d. What color light is reflected of the plants? \_\_\_\_\_
  - e. What happens to the water within the plant? \_\_\_\_\_

**STATION THREE: Photosynthesis Basics (note taking and application)**

**Directions:**

Use the HANDOUT PROVIDED and THE TEXTBOOK PAGES IDENTIFIED on it to complete the front and back of the worksheet.

**STATION FOUR: Cell Respiration Demo**

**Directions:**

Use the handout provided!

1. Read the introduction paragraph and answer the questions given.
2. Next follow the procedure outlined and record data
3. Throw away used cup and straw.

**STATION FIVE: Reviewing Key Concepts of Cellular Respiration (note taking and application)**

**Directions:**

Use the HANDOUT PROVIDED and THE TEXTBOOK PAGES IDENTIFIED on it to complete the worksheet.

