Part 2

Name _____ Date _____ Period _____

Animal Cell Coloring

Directions: Give the function for each cell structure and then ***color and label*** the animal cell.

Cell Membrane (red) -
Nucleoplasm (yellow) -
Mitochondria (red) -
Lysosome (pink) -
Cytoplasm (leave white) -
Microtubules (brown) -
Ribosome (blue) -
Nucleolus (gray) -
Golgi Apparatus (purple) -
Smooth Endoplasmic - Reticulum (green) -
Rough Endoplasmic Reticulum (orange) -
Nuclear Membrane (dark brown) -

Questions:

1. Give the function of the nucleus.

2. What makes up the cell membrane?

3. Where does cellular respiration take place?

4. Where does protein synthesis take place?

5. Where are ribosomes made?

6. Give two ways that an animal cell differs from a plant cell.

7. Do plant cells contain mitochondria?

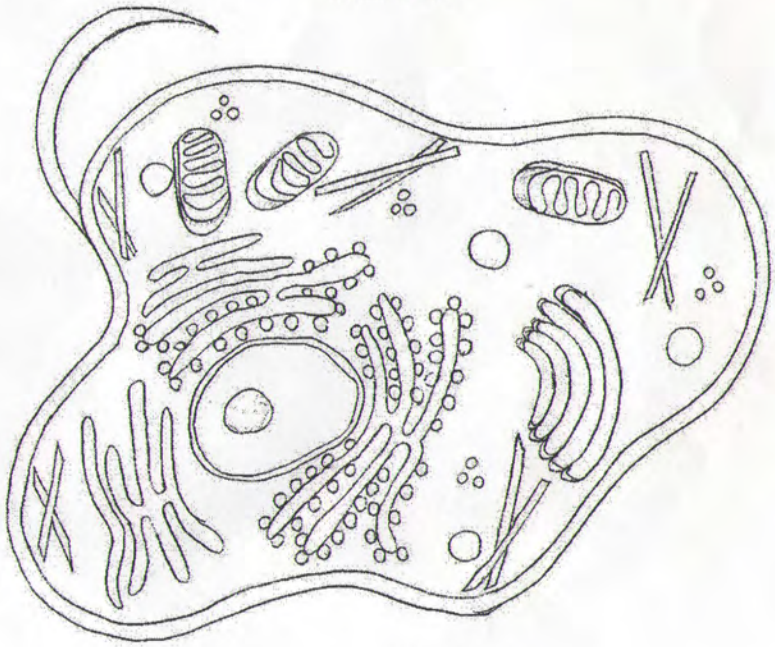
8. How can you tell rough ER from smooth ER?

9. Where are cell products modified and packaged in vesicles for transport?

10. Where is DNA found in a cell?

11. Where would old cell organelles be broken down (digested) to be recycled in the cell?

Animal Cell



Part 2

Plant Cell Coloring

Directions: ***Define*** each of the parts of the plant cell and then ***label and color*** the cell parts on the drawing of the plant cell.

Cell Membrane (black) -
Cell Wall (light green) -
Cytoplasm (yellow) -
Chloroplasts (dark Green) -
Golgi Apparatus (light blue) -
Mitochondria (red) -
Microtubules (brown) -
Nucleoplasm (gray) -
Nuclear Membrane (black) -
Nucleolus (tan) -
Ribosomes (orange) -
Rough Endoplasmic Reticulum (dark blue) -
Smooth Endoplasmic Reticulum (violet) -
Vacuole (pink) -

PLANT CELL

Compare and Contrast the animal cell to the plant cell.

Organelle Venn Diagram

List the common organelles for each numbered region.

Put organelles in the circles if they are only found there.

1.

2.

3.

4.