**Animal Cell Coloring**

I. Directions: Color each part of the cell its designated color.

|  |  |  |
| --- | --- | --- |
| http://www.biologycorner.com/resources/square.gif Cell Membrane (light brown) | http://www.biologycorner.com/resources/square.gif Nucleolus (black)  | http://www.biologycorner.com/resources/square.gif Mitochondria (orange)  |
| http://www.biologycorner.com/resources/square.gif Cytoplasm (light yellow)  | http://www.biologycorner.com/resources/square.gif Golgi Apparatus (pink)  | http://www.biologycorner.com/resources/square.gif Lysosome (purple)  |
| http://www.biologycorner.com/resources/square.gif Nucleoplasm (pink)  | http://www.biologycorner.com/resources/square.gif Flagella (red/blue striped)  | http://www.biologycorner.com/resources/square.gif Ribosome (red) |
| http://www.biologycorner.com/resources/square.gif Nuclear Membrane (dk brown)  | http://www.biologycorner.com/resources/square.gif Rough Endoplasmic Reticulum (dark blue)  |  |
|  http://www.biologycorner.com/resources/square.gif Microtubules (dark green) | http://www.biologycorner.com/resources/square.gif Smooth Endoplasmic Reticulum (light blue)  |   |



II. Briefly describe the function of the cell parts.

|  |  |
| --- | --- |
| 1. Cell membrane | 5. Lysosome |
| 2. Endoplasmic Reticulum | 6. Microtubule |
| 3. Ribosome | 7. Mitochondria |
| 4. Golgi Apparatus | 8. Nucleus |

**Plant Cell Coloring**

I. Directions: Color each part of the cell its designated color.

|  |  |  |
| --- | --- | --- |
| http://www.biologycorner.com/resources/square.gif Cell Membrane (orange) http://www.biologycorner.com/resources/square.gif Nucleoplasm (yellow) http://www.biologycorner.com/resources/square.gif Mitochondria (red) http://www.biologycorner.com/resources/square.gif Vacuole (light Blue) http://www.biologycorner.com/resources/square.gif Chromatin (gray)  | http://www.biologycorner.com/resources/square.gif Cell Wall (dark green)http://www.biologycorner.com/resources/square.gif Nucleolus (brown) http://www.biologycorner.com/resources/square.gif Chloroplasts (light green)  | http://www.biologycorner.com/resources/square.gif Ribosome (purple)http://www.biologycorner.com/resources/square.gif Cytoplasm (white) http://www.biologycorner.com/resources/square.gif Golgi Apparatus (dark blue)  |
| http://www.biologycorner.com/resources/square.gif Smooth Endoplasmic Reticulum (pink) http://www.biologycorner.com/resources/square.gif Rough Endoplasmic Reticulum (pink)  |



**Analysis**

1. Name two things found in a plant cell that are not found in an animal cell:

2. What is the function of the chloroplasts?

3. What is the function of the vacuole?

## **ell**Animal Cell Coloring** KEY**

## II. Briefly describe the function of the cell parts.

1. Cell membrane: barrier between cell and outside

2. Endoplasmic Reticulum: cell transport

3. Ribosome; makes proteins

4. Golgi Apparatus: packaging, processing, secreting vesicles

5. Lysosome: breaks down substances

6. Microtubule: cytoskeleton, cell support

7. Mitochondria: produces energy for cell; cell respiration

8. Nucleus : control center, contains DNA

# http://www.biologycorner.com/resources/plant_cell_color_key.gif

# ****Animal Cell Coloring**** KEY

Analysis

1. Name two things found in a plant cell that are not found in an animal cell: chloroplast, cell wall

2. What is the function of the chloroplasts? photosynthesis

3. What is the function of the vacuole? stores water