Name:

Study Guide for Test

-Organelles:
Define each:

Nucleus-

Ribosome-

Mitochondria-

Endoplasmic reticulum-

Chloroplast-

Vacuole-

Centrioles-

Cell membrane-

Cell wall-

Golgi body-

Lysosome-

Contractile vacuole-

-Plant vs. Animal cells
Describe 2 differences between a plant and animal cell:

-Cell Membrane structure and function
Describe and illustrate the structure of the cell membrane:

-Passive Transport

Examples:
Diffusion-

Osmosis-

-Active Transport:

State 2 ways that diffusion and active transport are different:
1.

2.

-NYS Lab:

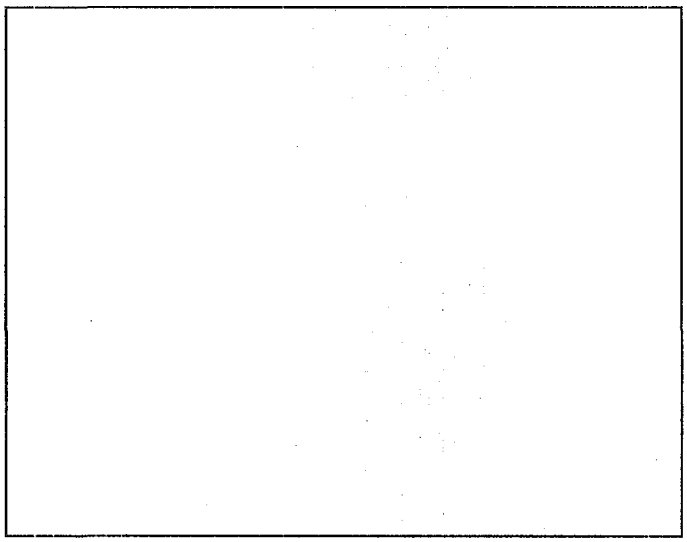
Understand the use of indicators (iodine and benedicts solution)
Iodine→ turns _____ in the presence of _____.

Benedicts solution→ turns _____ when heated in the presence of _____

Why was glucose and iodine able to diffuse through the cell while starch was not?

Understand the effect of salt solution on an onion cell
Salt water added→ what happens to the onion cells?
_____

Draw and label red onion cells in the presence of salt:



Distilled water added→ what happens to the onion cells?

_____

Draw and label red onion cells in the presence of distilled water: