**Cell Transport Foldable**

1) Cut your envelope into a booklet. Glue it into your composition book and ***write “Cell Transport” above it.***

-Glue Cell Membrane Drawing to cover

-Cut a sheet of paper into 4 pieces. Fold one piece in half and cut to make 2 flaps. Write “head” and “tails” on the outside flaps. Write “Membrane Lipid” on the page above the flaps. Write “polar” or “nonpolar” on the inside of each flap.

- Fold one of the other pieces and cut in half. Make a 1 flap with “selectively permeable” on the outside. On the inside, write which molecules can make it through the membrane and which cannot. (see notes for this)

- On the other flap made in the previous step, write “Membrane Proteins” on the outside. Write “act as channels” on the inside of the flap

2) Inside Cover (page 2):

-Cut a sheet of paper in half and fold it to make 1 flap. Write “Types of Passive Transport” on front. Write “Simple Diffusion”, “Osmosis”, and “Facilitated Diffusion” on the inside of flap.

- Cut a sheet of paper in half and fold it to make 1 flap. Write “Types of Active Transport” on front. Write “Protein pump”, “Endocytosis”, and “Exocytosis” on the inside of flap.

3) page 3:

- ***Write Passive Transport- NO ENERGY REQUIRED!! at the top of the page.***

- Fold a quarter sheet of paper and cut in half. Make 1 flap with “simple diffusion” on the front. Inside write “small, nonpolar molecules pass through the membrane” and “high to low concentration”

- Fold a half sheet of paper and cut to make 3 flaps. Write “hypertonic”, “isotonic”, and “hypotonic” written on the outside. On the inside of the flaps write the definition of each and draw a cell in each type of solution. ***Write “Osmosis- diffusion of water” above the 3 flapper***

 ***-Write in “WATER ALWAYS MOVES TOWARDS THE HYPERTONIC SIDE” on the page underneath***

-Fold a quarter sheet of paper to make 1 flap. Write “Facilitated Diffusion” on the front. On the inside, write “molecules need a protein channel” and “move from high to low concentration”

4) Page 4

 -***Write “Active Transport- ENERGY REQUIRED!! at the top of the page***

* Fold a half sheet of paper and cut to make 3 flaps. Write “Protein Pump”, “Exocytosis”, and “Endocytosis” on the outside. Write the definition of each on the inside

- Fold a quarter sheet of paper in half and cut to make 2 flaps. Write “Pinocytosis” and “Phagocytosis” on the outside. Write the definition of each on the inside