

## Analogy of Cell Parts

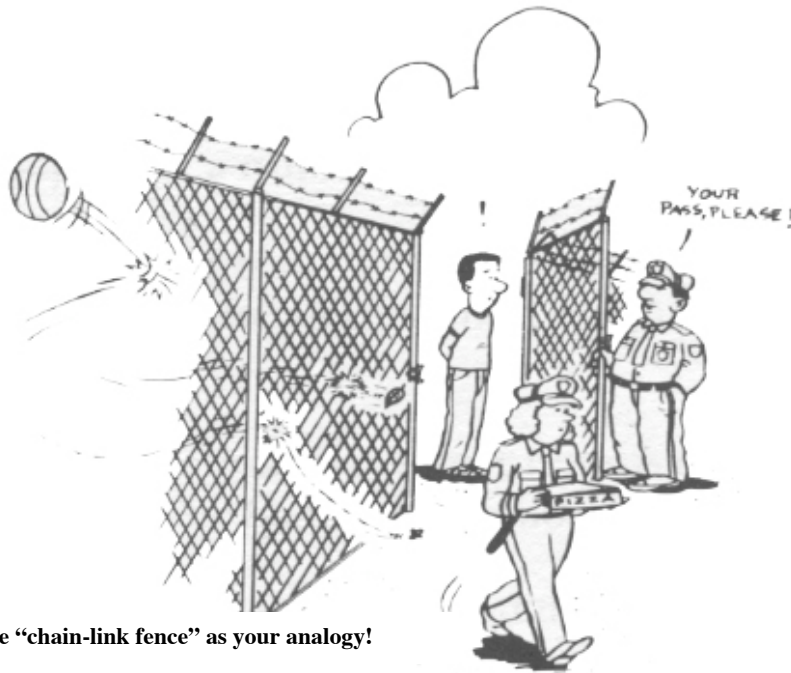
CLASS SET – Please return!



You will be given an opportunity to devise an analogy between some part of the cell and an everyday item. *Analogy* is defined as “resemblance in some particulars between things otherwise unlike.” (*Webster’s New Collegiate Dictionary*. G. & C. Merriam Co.).

An example cell analogy is given below:

The cell membrane can be analogous to a chain-link fence with gates patrolled by security guards. Some things are small enough (e.g., bugs and wind) to pass through the chain-link without the guards’ assistance or even their knowledge (like diffusion of oxygen and carbon dioxide through the membrane). Other things go through the gates after “permission” from the guards (like proteins that must meet certain requirements of electrical charge to enter the cell). Still other things are carried across the membrane into the cell by the guards (analogous to active transport in the cell).



*Note:* You may not use “chain-link fence” as your analogy!

**Materials:** poster paper, marking pens, and lined paper for your written analogy.

1. Form a work group of two.
2. One partner obtains the materials and the other selects a cell part from the jar.
3. Draw and color your own analogy for your specific cell part. On the back of your drawing attach your written explanation.
4. You have **one class period** to complete your analogy/art project.
5. Each group will present their analogy to the class. This includes displaying the poster and reading the description of the cell part analogy.
6. Your group will receive a grade based on accuracy and appropriateness of information presented. Be sure to mention the function of the cell part in your description.
7. Each person must take notes on the presentations as part of the project grade.