

MEMORABLE CELL MEMBRANE

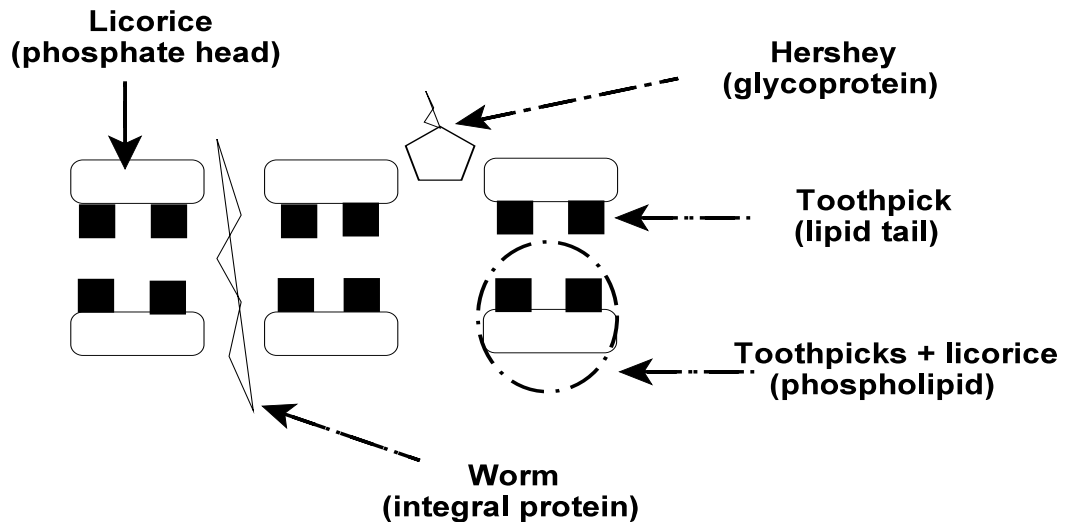
Ingredients (per student)

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|------------------------|------------------------|
| 12 toothpicks | 1 wrapped Hershey kiss |
| 1 full-length licorice | 1 candy worm |

Recipe

1. Break licorice into 6 equal sized pieces.
2. Insert 2 toothpicks into the side of each licorice piece.
3. Place licorice pieces /w toothpicks in 2 rows of 3 facing opposite directions.
4. Place candy worm running through both rows of licorice.
5. Place Hershey kiss into one row of licorice.

Diagram



Lesson Plan

1. Per class of 30 students: 360 sharp toothpicks, 30 full-length licorice, 30 candy worms, 30 Hershey kisses.
2. Tell students to get a piece of paper towel and gather all the candies/toothpicks required above and place them on their desk on the paper towel.
3. On the chalkboard, draw a quick sketch of how to arrange the candy to resemble a membrane. Label the candies and toothpicks. (See above or show overhead).
4. When all candy membranes are assembled, teach “**The Cell Membrane**” (www.zerbio.com/central/gr11.htm), filling in blanks, and comparing textbook diagrams to the candy membrane. Discuss the structure/function of all cell membrane components. (Can substitute personal teaching notes on cell membrane).
5. Follow Up: While students eat the candy.
 - Design your own unique “Memorable Cell Membrane”.
 - Submit a drawing of a membrane fully labelled (or provide a legend) identifying the foods/candies and other materials you would use and what part of the cell membrane each represents.
 - Bring enough materials next class to build your membrane and describe to the class.
 - Class will vote for the most tasty or creative membrane. (take digital pictures, post on website, etc.)

“What does a phospholipid taste like?”