

DNA Lab Supply List and Setup Instructions

Materials

1-quart sized Ziploc bag (freezer bag is best, but 2 non-freezer sandwich bags will work)	coffee filter or paper towel
2-3 strawberries (fresh or frozen, thaw if using frozen)	funnel (or cut top 1/3 off a plastic water bottle)
1/2 c. water	clear plastic or glass cup
1-1/2 tsp. liquid dish soap (like Dawn, Palmolive, etc.)	colored pencils or markers (same colors as marshmallows/beads/clay)
1/4 teaspoon salt	2 T. 70% or 91% isopropyl alcohol (chilled in the freezer) (NOT 50%)
measuring cup to measure ½ cup	1 teaspoon, ½ teaspoon, ¼ teaspoon
11 toothpicks	2 worksheets (printed from email)
4 colors (need six of each color) of mini-marshmallows, beads that will fit on a toothpick, or small balls of colored clay <i>Suggestions:</i> <i>Kraft Jet-Puffed FunMallows</i> <i>Play Dough 4 pack (Dollar Tree)</i> <i>Pony beads (Dollar Tree)</i>	4 Red Vines or Twizzlers (at least 6 inches long, longer is better) <i>Suggestion: Red Vines (Dollar Tree)</i>

Advanced preparation:

1. Put bottle of isopropyl alcohol in the freezer at least 3 hours before class. (If pre-measuring into another container before freezing, freeze 2 T. of alcohol).
2. If using frozen strawberries, take out of freezer ahead of time so they are thawed by class time.
3. Print the 2 worksheets from the website.
4. Have all supplies, except isopropyl alcohol, near your work area at the start of class. The alcohol can stay in the freezer until it is needed in class or it can be put in a bowl of ice to keep it cold until it is used in class.