

Balancing Chemical Equations Class Preparation

Before class starts, you will need the following items near you.

Items in kit	Items not in kit
Skittles candies	penny oxidation (optional, must be done 1-2 days before class): 4 pennies, paper towel, 1 tsp. vinegar, small plastic bag, small plate
extra Dots candies from previous lab	colored pencils
plastic bowl	3 small clear cups
plastic teaspoon	1 T. baking soda
safety goggles	1 t. vinegar
yeast (1 T.)	Balancing Chemical Equations Key (printed on molecule label sheet last week)
red, green, blue pony beads	worksheet (print from website)
	paper towels/old towel
	teaspoon, tablespoon
	measuring cup (1/2 c.)
	warm water (wait to get until needed in class)
	periodic table from previous class
	pennies soaked in vinegar 1 day before class (they should be greenish after soaking)
	empty small water bottle (about 16 oz.)
	dish soap (a squirt)
	hydrogen peroxide (1/2 c.) - don't premeasure
	cake pan or large bowl to catch elephant toothpaste overflow
	white mini marshmallows, cotton balls, or small balls of white clay/playdough(about 20)
	food coloring (red, green, or blue) – 5-6 drops
	funnel

Preparation Instructions:

1-2 days before class

1. Fold the paper towel in half, then in half again, put in a baggie, and put 4 pennies on the paper towel. Put about 1 tablespoon vinegar on paper towel (or enough vinegar so the paper towel is wet, but not sitting in a lot of liquid). **Do not** seal the baggie. Set aside, maybe on a plate so it doesn't leak all over.

Day of Class

1. Gather all the items listed above and put them where you will be sitting for the class.
2. Print worksheet from my website (<http://www.handsonsciencefun.com/chem-videosworksheets.html>).
3. Put Dots and Skittles in the bowl.
4. Put 1 teaspoon of vinegar in the cup.
5. Put 1 tablespoon of baking soda in a cup.
6. Do not premeasure the ½ c. hydrogen peroxide or warm water.