



CHEM 1211K

Materials Checklist

EQUIPMENT

- Safety Goggles (Prescription or regular)
- Food Scale ([Amazon](#))
- Funnel ([Amazon](#))
- Thermometer
- Spectroscope
- Measuring Cup Set
- Measuring teaspoon and Tablespoon
- Plastic fork
- (3) kitchen glasses
- Ruler
- Shoe
- Sheet of paper
- An object shaped like a cylinder (example: can from the pantry)
- Steel bolts or nails (5 to 20 grams)
- (4) Styrofoam Cups
- (12) Pennies
- Small pan for boiling water
- Scissors

EQUIPMENT CONT...

- Slotted Spoon ([Amazon](#))
- Regular Spoon
- (1) 1-Gallon Ziploc Bag
- Large kitchen bowl (Larger than a gallon)
- sharpie, dry erase marker, pen, pencil (one of each)
- (4) Clear plastic cups
- Rubberband
- Hot pads or pot holders
- Electric stove or hot plate ([Amazon](#))
- (6) 7in Helium grade balloons ([Amazon](#))
- (3) 12in Helium grade balloons ([Amazon](#))
- Nylon string, 20ft ([Amazon](#))
- (2) Lemons (or lemon juice concentrate)

PLASTIC SAMPLES

(4) plastic samples - these will be common household items. Look for the recycle triangle with the correct code.

- 1. PETE or PET Code 1 (soda bottles, medicine jars (not prescriptions bottles), peanut butter jars)
- 2. PETE or PET Code 2 (milk jugs, motor oil, shampoo, conditioner, soap, and detergent bottles)
- 3. PET Code 4 (plastic grocery bags, plastic cling wrap, sandwich bags, squeezable bottles)
- 4. PET Code 5 (plastic diapers, Tupperware, margarine containers, yogurt containers, syrup bottles, prescription bottles and some bottle caps)

GROCERY ITEMS

- (2) 1.00 Liter Bottles (empty coke bottles)
- (1) Gallon Milk Jug (empty)
- (3) Gallon Milk Jugs, or 1/2 Gallon (empty) with caps
- Baking Soda
- Sodium Chloride (table salt)
- Empty paper towel roll
- Mentos candy
- Isopropyl Alcohol (91%)
- 5% Vinegar ("Normal vinegar")

Lab Kit Estimated Cost
\$40.00 ~ \$120.00

MOST ITEMS CAN BE FOUND AT HOME OR YOUR LOCAL GROCERY STORE. AMAZON IS ONLY SUGGESTED TO BETTER GUIDE YOU ON THE ITEMS THAT NEED TO BE PURCHASED. YOU MAY PURCHASE SIMILAR ITEMS FROM ANY VENDOR.