

Shopping List for 5th Grade: Chemistry

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How many of these items do you already have? We've tried to keep it simple for you by making the majority of the items things most people have within reach (both physically and budget-wise). Most chemicals and other supplies can be purchased at [Home Science Tools](#).

- 90 degree glass tubes, 6
- 9V battery
- 9V battery clip
- [acetone \(MSDS\)](#)
- activated carbon (check an aquarium store)
- alcohol burner
- alligator clips, 2
- alum
- apple
- blue litmus paper
- Borax (AKA sodium tetraborate)
- bowl
- bucket (large - or similar container)
- [calcium hydroxide \(CaOH\) \(MSDS\)](#)
- cheese cloth
- chemistry stand
- [cobalt chloride \(MSDS\)](#)
- COLD water (distilled water is best but cold tap water is ok)
- copper strip (or shiny copper penny)
- [copper sulfate CuSo4 \(MSDS\)](#)
- cotton balls
- cotton swabs
- [denatured alcohol \(MSDS\)](#)
- disposable cups (clear)
- disposable pie plate
- distilled water
- dropper pipette
- Erlenmeyer flask
- [ferric ammonium sulfate \(MSDS\)](#)
- filter paper (or coffee filter or paper towel)
- flask with one-hole stopper
- flexible tubing
- food dye
- freezer bags (quart and gallon sizes)
- funnel
- glass jars, 4
- gloves
- glue (clear or white)
- goggles
- hair dryer
- heating rod
- heavy cream, 1 pint (do not substitute, unless your child has a milk allergy, then skip)
- hot glue gun
- hydrogen peroxide
- ice
- impervious surface
- index cards
- instant reusable hand warmer (containing sodium acetate)
- lemon
- lighters (with adult help)
- [limewater \(MSDS\)](#)
- liquid dish soap (clear Ivory or green/blue Dawn works best)
- liquid soap
- [litmus powder \(MSDS\)](#)
- [luminol C8H7N3O2 \(MSDS\)](#)
- [magnesium strip](#)
- matches (with adult help)
- measuring cup
- measuring spoons
- measuring syringe
- medicine dropper
- metal key (shiny)
- milk
- one-hole rubber stopper
- OPTIONAL (for dry climates): glycerin (MSDS)
- OPTIONAL: [fluorescent UV black light](#)
- OPTIONAL: Instant reusable hand warmer (containing sodium acetate)
- paper clips
- pepper
- permanent marker
- pie pan (or other shallow baking dish)
- pipette
- play sand (clean)
- pliers
- popsicle sticks
- popsicles
- [potassium hexacyanoferrate II K3Fe\(CN\)6 \(MSDS\)](#)
- [PVA \(polyvinyl alcohol\)](#)
- ring stand with clamp
- rock salt (or table salt)
- rubber bands
- rubber tubing
- ruler

- salt
- scissors
- [sodium carbonate \(washing soda\) \(MSDS\)](#)
- [sodium ferrocyanide \(MSDS\)](#)
- [sodium hydrogen sulfate \(NaHSO₄\) \(MSDS\)](#)
Sodium hydrogen sulfate is very toxic.
Respect it, handle it carefully and responsibly.
Do not take it for granted.
- [sodium hydroxide NaOH \(MSDS\)](#)
- stand with wire mesh screen
- steel wool
- stick on label
- stir rod
- storage bottle
- strawberry basket
- straws
- Styrofoam (cup or beads or packing peanuts, etc.)
- sugar, 1 cup (or other sweetener)
- [tartaric acid \(C₄H₆O₆\)](#)
- test tube
- test tube clamp
- test tube rack
- test tube with stopper
- tile or concrete surface (non-flammable)
- vanilla, 1 teaspoon
- vinegar (white distilled)
- washer
- water
- water bath
- water bottles, 6
- water sample (a cup of coffee with the grounds put back in works great)
- whole milk, 1 quart (do not substitute, unless your child has a milk allergy, then use soy or almond milk)
- wire coat hanger
- wire screen
- wood dowels, 2 (about 3 feet long)
- yarn (or lace)
- yeast
- yellow highlighter
- [zinc powder \(MSDS\)](#)