

Safety Checklist








Safety Checklist: Because Science is Fun... Until It Isn't!

Before you go full mad scientist, let's make sure your experiments don't turn into a science *disasterpiece*. Follow these safety rules so you can keep all your fingers, eyebrows, and friendships intact.

General Safety Rules (a.k.a. The Science Survival Guide)

✓ **Ventilation = Good Vibes.** If an experiment involves gases or strong smells, do it in a well-ventilated area (or better yet, outside). No one wants an unexpected *stink bomb*. ✓ **Goggles & Gloves: Your Science Armor.** If it involves fire, chemicals, or potential eye pokes, suit up like a pro. ✓ **Fire = Cool, But Not on Your Desk.** Keep water, sand, or a fire extinguisher nearby when working with flames. No one wants to explain "accidental arson" in science class. ✓ **No Taste-Testing.** Unless your experiment is literally baking cookies, DO NOT eat or drink anything from the lab table. Soap milk and chemical lemons are not the next big food trend. ✓ **Water & Electricity Don't Mix.** We love science, not electrocution. Keep liquids far away from circuits unless you want an unwanted *shocking* experience. ✓ **Random Trash Disposal = Bad Science.** Don't pour chemicals down the sink, and definitely don't throw batteries in the regular trash. Mother Nature deserves better. ✓ **Adult Supervision is a Cheat Code for Safety.** If it involves fire, explosions, or high voltage, make sure there's an adult around. Or at least someone more responsible than you.

Experiment-Specific Precautions (A.K.A. Don't Be That Person)

 **Electrolyte Tester** – Shocking discoveries are cool, but getting shocked yourself? Not so much. Handle wires with care.  **Particle Accelerator (DIY)** – If things start flying, *duck!* Secure all moving parts before testing.  **Newton's Cradle** – Physics is fun until you get hit in the face with a swinging metal ball. Keep it controlled.  **Newton's Disc** – Spinning too fast might make it a frisbee. Keep a safe distance from innocent bystanders (and windows!).  **Lemon Battery** – Acidic lemon juice + your eyes = a bad day. Handle with care.  **Water Fireworks** – Food coloring is fun until your hands are permanently blue. Wear gloves if you don't want to look like a Smurf.  **Homemade pH Indicator** – Science is all about

experimenting, but let's not experiment with drinking cabbage juice. 🥛 **Magic Milk** – Reminder: Once the soap goes in, the milk is NOT your new smoothie. 🎈 **Hydrogen Balloon Explosion** – Rule #1: Open space only. Rule #2: No flammable stuff nearby. Rule #3: Stand back. Way back.

🚨 **Emergency Tips (a.k.a. What to Do If Things Go South)**

🔥 **Fire?** Smother it or use an extinguisher. *DO NOT* throw water on electrical or chemical fires unless you enjoy chaos. 🧴 **Chemical in Eyes?** Rinse with water for **15 minutes** like your vision depends on it (because it kinda does). 🧯 **Burns?** Cold water = bestie. If it's serious, get medical help. 🤯 **Feeling Lightheaded?** Stop what you're doing and get fresh air before you become an unconscious science experiment.

Follow these, and you'll be the scientist who wows people with experiments—not emergency room visits. Stay safe, stay curious, and keep the *controlled* chaos going! 🚀

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