

Safety Symbols

These symbols alert you to possible dangers.

 **Safety Goggles** Always wear safety goggles to protect your eyes in any activity involving chemicals, flames, or heating, or the possibility of broken glassware.

 **Laboratory Apron** Wear a laboratory apron to protect your skin and clothing.

 **Breakage** You are working with breakable materials, such as glassware. Handle breakable materials with care. Do not touch broken glassware.

 **Heat-resistant Gloves** Use hand protection when handling hot materials. Hot equipment or hot water can cause burns. Do not touch hot objects with your bare hands.

 **Plastic Gloves** Wear disposable plastic gloves to protect yourself from chemicals or organisms that could be harmful. Keep your hands away from your face. Dispose of the gloves according to your teacher's instructions at the end of the activity.

 **Heating** Use a clamp or tongs to pick up hot glassware. Do not touch hot objects with your bare hands.

 **Sharp Object** Pointed-tip scissors, scalpels, knives, needles, pins, or tacks can cut or puncture your skin. Always direct a sharp edge or point away from yourself and others. Use sharp instruments only as directed.

 **Electric Shock** Avoid the possibility of electric shock. Never use electrical equipment around water, or when equipment is wet or your hands are wet. Be sure cords are untangled and cannot trip anyone. Disconnect the equipment when it is not in use.

 **Corrosive Chemical** Avoid getting acids or other corrosive chemicals on your skin or clothing, or in your eyes. Do not inhale the vapors. Wash your hands when you are finished with the activity.

 **Poison** Do not let any poisonous chemical come in contact with your skin, and do not inhale its vapors. Wash your hands when you are finished with the activity.

 **Physical Safety** When an experiment involves physical activity, take precautions to avoid injuring yourself or others. Follow instructions from your teacher. Alert your teacher if there is any reason you should not participate in the activity.

 **Animal Safety** Treat live animals with care to avoid harming the animals or yourself. Working with animal parts or preserved animals also may require caution. Wash your hands when you are finished.

 **Plant Safety** Handle plants only as directed by your teacher. If you are allergic to certain plants, tell your teacher before doing an activity in which plants are used. Avoid touching poisonous plants or plants with thorns. Wash your hands when you are finished with the activity.

 **Flames** You may be working with flames from a Bunsen burner, candle, or matches. Tie back loose hair and clothing. Follow instructions from your teacher about lighting and extinguishing flames.

 **No Flames** Flammable materials may be present. Make sure no flames, sparks, or exposed heat sources are present.

 **Fumes** When poisonous or unpleasant vapors may be involved, work in a ventilated area. Avoid inhaling vapors directly. Only test an odor when directed to do so by your teacher, and use a wafting motion to direct the vapor toward your nose.

 **Disposal** Chemicals and other used materials must be disposed of safely. Follow the instructions from your teacher.

 **Hand Washing** Wash your hands thoroughly. Use antibacterial soap and warm water. Lather both sides of your hands and between your fingers. Rinse well.

 **General Safety Awareness** You may see this symbol when none of the other symbols appears. In this case, follow the specific instructions provided. You may also see this symbol when you are asked to develop your own procedure. Have your teacher approve your plan before you go further.