

Appendix G Safety Symbols

SAFETY SYMBOLS

	HAZARD	EXAMPLES	PRECAUTION	REMEDY
Disposal 	Special disposal considerations required	chemicals, broken glass, living organisms such as bacterial cultures, protists, etc.	Plan to dispose of wastes as directed by your teacher.	Ask your teacher how to dispose of laboratory materials
Biological 	Organisms or organic materials that can harm humans	bacteria, fungus, blood, raw organs, plant material	Avoid skin contact with organisms or material. Wear dust mask or gloves. Wash hands thoroughly.	Notify your teacher if you suspect contact.
Extreme Temperature 	Objects that can burn skin by being too cold or too hot	boiling liquids, hot plates, liquid nitrogen, dry ice, all burners	Use proper protection when handling. Remove flammables from area around open flames or spark sources.	Go to your teacher for first aid.
Sharp Object 	Use of tools or glassware that can easily puncture or slice skin	razor blade, scalpel, awl, nails, push pins	Practice common sense behavior and follow guidelines for use of the tool.	Go to your teacher for first aid.
Fume 	Potential danger to olfactory tract from fumes	ammonia, heating sulfur, moth balls, nail polish remover, acetone	Make sure there is good ventilation and never smell fumes directly.	Leave foul area and notify your teacher immediately.
Electrical 	Possible danger from electrical shock or burn	improper grounding, liquid spills, short circuits	Double-check setup with instructor. Check condition of wires and apparatus.	Do not attempt to fix electrical problems. Notify your teacher immediately.
Irritant 	Substances that can irritate the skin or mucus membranes	pollen, mothballs, steel wool, potassium permanganate	Dust mask or gloves are advisable. Practice extra care when handling these materials.	Go to your teacher for first aid.
Corrosive 	Substances (Acids and Bases) that can react with and destroy tissue and other materials	acids such as vinegar, hydrochloric acid, hydrogen peroxide; bases such as bleach, soap, sodium hydroxide	Wear goggles and an apron.	Immediately begin to flush with water and notify your teacher.
Toxic 	Poisonous substance that can be acquired through skin absorption, inhalation, or ingestion	mercury, many metal compounds, iodine, Poinsettia leaves	Follow your teacher's instructions. Always wash hands thoroughly after use.	Go to your teacher for first aid.
Flammable 	Flammable and Combustible materials that may ignite if exposed to an open flame or spark	alcohol, powders, kerosene, potassium permanganate	Avoid flames and heat sources. Be aware of locations of fire safety equipment.	Notify your teacher immediately. Use fire safety equipment if applicable.



Eye Safety

This symbol appears when a danger to eyes exists.



Clothing Protection

This symbol appears when substances could stain or burn clothing.



Animal Safety

This symbol appears when safety of live animals and students must be ensured.