



# Safe Experiments

It's important to conduct experiments safely to avoid any accidents happening. Sometimes, chemistry experiments can involve corrosive acids or heating substances, so there's a risk of being injured or burned. The safety equipment shown here helps make experiments safer.

## Protecting your eyes

Glasses protect your eyes from small particles during explosive chemical reactions.



## Protecting your hands

Gloves protect your skin from accidental spills of corrosive substances.



## Safe heating

Water baths are a safer, and more efficient, way of heating substances by submerging them in hot water instead of using an open flame from a Bunsen burner.



## Preventing fires

Heatproof mats prevent fires from starting in the laboratory.



Heatproof mat

## Key Facts

- ✓ Experiments can be unsafe.
- ✓ Equipment or procedures should be planned for to keep experiments as safe as possible.

## Protecting your body

Lab coats protect your body from harmful substances.



## Dangerous Chemicals

Some chemical substances can be dangerous. Look out for labels on bottles that provide different types of warnings.



Flammable



Corrosive



Toxic