

# Laboratory Safety and Procedures

## Safety Rules 1

Charles Page High School

Stephen L. Cotton

Laboratory Safety and Procedures

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## *Why Worry About Safety?*

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## Lab Safety: Everyone is Responsible!

- Safety glasses
- Contact lenses?
- Long hair and bulky clothing
- Rings, watches, and dangling jewelry



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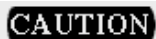
## Accidents?

- Accidents *can* happen
  - Remain calm
  - Report **ALL** accidents immediately
  - Prevention!
    - watch & help your partner

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## Types of Accidents & How to Handle them

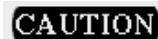
- A. Broken Glass
  - most common accident
  - stop where you are; assess situation
  - move when safe; report cuts
  - clean up; put in broken glass box
  - were any chemicals involved?



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## Types of Accidents & How to Handle them

- B. Scrapes and Cuts
  - report immediately to teacher
  - possibility of infection
  - do not contact another's blood
    - what if blood is present?



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## Types of Accidents & How to Handle them

### • C. Chemical Spills



- chemical safety warning signs
- small mess or major disaster?
- treat all as dangerous; respect
- wait for instructor's directions
- on your skin or clothing?



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## Types of Accidents & How to Handle them

### • D. Fire



- lab burners
  - when not in use, turn it off
- paper
  - place in sink; run water
- clothing or hair
  - fire blanket; fire extinguisher

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## Lab Safety Equipment

- eye wash station
- safety shower
- fire blanket
- fire extinguisher
- first aid kit
- fume hood
- spill kit
- goggle cabinet



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## Clean-Up:

- follow instructor's directions
- NEVER put back in bottle
- return bottles to proper place
- wash/dry glassware; store it
- clean and dry the lab area and wash your hands

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*End of Safety Rules 1*

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