Edgenuity

Warm-Up | Safety in Science

Lesson Question

Lesson Goals

Describe safe _____ during a scientific investigation.

Identify examples of safety _____.

Explain the correct procedure for _____ safety issues.

Words to Know

Fill in this table as you work through the lesson. You may also use the glossary to help you.

	an action that is taken to prevent harm
	an unwanted product that may pose a threat to human health and/or to the environment

Science and Technology

- In science, _____ is used to collect and record _____.
- Technology uses scientific _____ to find solutions to real-world problems by creating new _____ and/or _____.

© Edgenuity, Inc.

Instruction | Safety in Science

Slide 2

The Importance of Preparation

- _____ directions _____.
- _____ needed equipment.
- _____ anything confusing.
- Locate all _____ equipment.

Proper Clothing in the Laboratory

Do Wear

- A _____ or apron
- Safety _____
- Protective _____

Do NOT Wear

- _____ shoes
- Contact lenses
- _____ hair, clothing, or jewelry

© Edgenuity, Inc.

Instruction | Safety in Science

Slide 4

Professional Behavior in the Laboratory

- Be _____.
- Follow _____.
- Show _____.
- Handle equipment with _____.
- _____ before acting.
- Behave like a _____.

Common-Sense Practices

- Leave all _____ and _____ outside the lab.
- Wash your hands _____ and _____ lab activities.
- Avoid touching your _____ and _____.
- Maintain a _____ and neat _____.
- _____ any accidents to your instructor.

© Edgenuity, Inc.

Instruction | Safety in Science

Slide 7

Chemical Safety

- Always wear safety [ ].
- Always know what [ ] you are using, and read any safety [ ] associated with them.
- Never [ ] chemicals unless instructed to do so.
- Never [ ] chemicals or [ ] their fumes.

Glassware Safety

- Check for [ ] or [ ].
- Handle glassware [ ].
- [ ] your teacher and classmates when glassware breaks and:
  - wear [ ] before you handle broken [ ].
  - [ ] up the glass quickly.
  - dispose of the glass [ ].

© Edgenuity, Inc.

Instruction | Safety in Science

Slide 9

Heat and Fire Safety

- Do not _____ heat sources.
- Keep _____ and _____ away from flames.
- Keep flammable substances away from _____ sources.

Cleanup and Disposal

Use _____ labeled containers for:

- _____ waste.
- broken _____.
- _____, which may pose a threat to human heath and the environment.

Slide 12

Safety Equipment: Part 1

- _____ station
  - Remove _____.
  - Rinse eyes for at least _____ minutes.
- Safety _____

© Edgenuity, Inc.

Instruction | Safety in Science

Slide 12

Safety Equipment: Part 2

- Fire ____
  - To use a fire extinguisher, remember PASS:
    - P = ____
    - A = ____
    - S = ____
    - S = ____
- Fire ____
- ____ kit

Laboratory Accidents

In case of an accident, you need to:

- stay ____ and ____ your teacher.
- follow your teacher's ____ .
- ____ the area if conditions are dangerous.
- do not try to clean up a spill.
- ____ anyone who is injured, if it is ____ to do so.
- Use emergency ____ if necessary.

© Edgenuity, Inc.

Summary | Safety in Science

Lesson Question

How is safety achieved during scientific investigations?

Answer

Slide 2

Review: Key Concepts

- _____ for the investigation.
- Wear appropriate _____.
- Be _____.
- Use _____.
- Handle _____, _____, and _____ carefully.
- _____ accidents immediately.
- Use safety _____ as necessary.

© Edgenuity, Inc.

Summary | Safety in Science

Use this space to write any questions or thoughts about this lesson.

© Edgenuity, Inc.