

Science Safety 1.4

Last Name _____, First, _____ per _____

1. What's wrong with this picture?

Make a list of the safety hazards.

a. _____ b. _____

c. _____ d. _____

2. Pre Lab Preparation

What should you do before you start a laboratory investigation?

a. _____

b. _____

c. _____

3. Safety SymbolsDraw and describe the chemical safety symbol.a. _____

_____**4. Eye Safety**

a. True or False: If there is only a slight chance of something getting in your eye during an investigation then safety goggles aren't really necessary. _____

b. Why is wearing safety goggles important when working with chemicals? _____
_____**5. Work Area and Lab Table**a. Describe the how the work area should be kept during a lab investigation. _____

b. How many safety hazards can you find in the picture? _____

6. Spills

b. How soon should spills be cleaned up? _____

- c. What safety equipment should be used if spills are corrosive or there is broken glass. _____

7. **Working with Heat**

- a. How should hair and clothes be treated when working with heat? _____

- b. How should hot equipment be handled? _____
- c. Why should the opening of a test tube be pointed away from the body when you are heating the contents? _____

8. **Chemical Hazards**

- a. List some chemical hazards

- b. Why is it dangerous to mix chemicals other than as directed in the experiment procedures? _____

- c. What safety equipment should be used when using corrosive chemicals? _____

- d. True or false: Tasting is a safe way to identify unknown chemicals. _____

9. **Create Safety Symbols**

Design your own safety symbols and draw them below