










Practicing Lab Safety I

Review

Determine which safety rule you should follow when you see each symbol shown below. Write the rules below the correct symbols.

- | | | | |
|----|---|----|---|
| 1. |  | 2. |  |
| | _____ | | _____ |
| 3. |  | 4. |  |
| | _____ | | _____ |
| 5. |  | 6. |  |
| | _____ | | _____ |
| 7. |   | 8. |  |
| | _____ | | _____ |

Skill Challenge

Skills: *applying, identifying*

Figure out which safety rules the students break in the following scenario. Write your answers in the spaces provided.

Maria and Jack are conducting an experiment in which they use acids and bases. Before putting on his safety goggles, Jack measures out a quantity of an acid in one beaker and a quantity of a base in another beaker. Maria smells the contents of the two beakers and notices that a strand of her long hair has fallen into one of the beakers. She dries her hair on a paper towel. Next, the two students mix the contents of the beakers together without reading the instructions. When the chemicals start to react, Jack and Maria pour the contents of the beaker down the sink drain and return to their desks.

Rule Broken

1. _____
2. _____
3. _____
4. _____
5. _____

Answer Key

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1. Be careful when using a heat source. 2. Wear safety goggles. 3. Be careful when working with poisonous substances. 4. Watch for chipped glass or broken edges. 5. Be careful with sharp objects. 6. Dispose of all materials safely. 7. Use caution with live organisms. 8. Do not use cords with frayed ends. Do not let cords cross over work areas.

Skill Challenge

Answers may be listed in any order: 1. Wear safety goggles, especially when working with chemicals. 2. Never smell anything directly. 3. Never mix acids and bases without direction from your teacher. 4. Confine loose clothing and hair. 5. Dispose of all materials properly.