

Lab Safety Assignment – Teacher Edition

I. Multiple Choice – Select the best answer

1. Which of the following is strictly prohibited in a biology laboratory?

- a) Using Bunsen burner
- b) Working with culture media
- c) Maintaining safety rules
- d) Mouth pipetting of chemicals

2. What does this safety symbol stand for?



- a) Electric shock
- b) Poison
- c) Fumes
- d) Biological hazard

3. Which of the following may lead to chemical hazards?

- a) Spilt chemicals
- b) Mixing chemicals
- c) Leaving dirty lab equipment on the lab bench
- d) All the above

4. Which of the following is a precautionary measure that should be taken while working with microorganisms?

- a) Wash your hands after handling microorganisms
- b) Wear safety goggles while making culture media
- c) Wear gloves while handling agar plates
- d) All the above

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5. Identify the symbol below:



- a) Hand washing
- b) Corrosive chemical
- c) Contaminated material
- d) Hot chemical

II. Decide if the following statements are true or false. If false, write the correct answer.

1. Chemical waste should not be poured down the drain.

2. Long hair can be kept down in the laboratory.

III. Outline the safe method to heat a chemical in a test tube.

IV. Why is it important to wear safety equipment such as safety goggles ?

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- a) Electric shock
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3. Which of the following may lead to chemical hazards?

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- b) Mixing chemicals without being instructed
- c) Leaving dirty lab equipment on the lab bench
- d) All the above

4. Which of the following is a precautionary measure that should be taken while working with microorganisms?

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- b) Wear safety goggles while making culture media
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II. Decide if the following statements are true or false. If false, write the correct answer.

1. Chemical waste should not be poured down the drain.

True, any chemical waste should never be placed down the drain. The chemical waste should be labeled properly and then disposed of.

2. Long hair can be left down in the laboratory.

False, long hair should be tied back to avoid it getting caught. Long hair should never be left down in a science laboratory.

III. Outline the safe method to heat a chemical in a test tube.

While heating a chemical in a test tube the following points should be kept in mind:

- 1. Safety goggles should be worn
- 2. The mouth of the test tube should be pointing away from people
- 3. Hold the test tube with a pair of tongs, not with your hands/fingers
- 4. Do not overfill the test tube

IV. Why is it important to wear safety equipment such as a safety goggles?

Protective equipment like safety goggles cover the eyes so that should a chemical splash, or spit the eyes are protected.