

# Answer Key - Chemical

## Checking The Label Quiz

1. a. True.
2. c. Before starting any job involving that chemical
3. a. Don't handle the chemical properly
4. a. The color blue
5. b. DANGER
6. c. The color red or a picture of a flame
7. a. The highest number (4)
8. c. Both a (what PPE to use) and b (what handling and storage precautions to follow)
9. a. True.
10. b. Read the material safety data sheet

## Chemical Spills Quiz

1. b. False. You should try to prevent spilled chemicals from escaping down drains where they can contaminate water supplies.
2. d. All of the above.
3. a. True. The MSDS often gives information about proper cleanup.
4. b. You should seek a medical examination as soon as possible. Sometimes, symptoms of exposure may not appear immediately.
5. b. False. Depending on the chemical, hazardous substances can be released into the air, enter the water supply, or contaminate individuals and materials that come in contact with the spilled substance.
6. b. False. In case of a major spill, you will be told to evacuate unless you have had specialized cleanup training.
7. e. All of the above.
8. a. True. If you are not responsible for the cleanup, your supervisor or emergency coordinator will most likely tell you to evacuate the area.
9. c. A blizzard. I'll bet you got this one right.
10. b. False. A major spill can release toxic chemicals into the air and water and be hazardous to the inhabitants of the area surrounding the spill.

## Hazard Communication & Right To Know Quiz

1. b. Hazard Communication Standard.
2. a. Container labels and material safety data sheets.
3. a. True.
4. c. Fire and explosion.
5. a. Acute.
6. a. True.
7. c. Not use the chemical.
8. b. Its MSDS.
9. a. Know and understand how to identify chemical hazards and protections.
10. b. Read the chemical's label and MSDS.

## Laboratories Quiz

1. a. True
2. b. False. There should be special precautions for work with particularly hazardous substances.
3. b. False. Few laboratory chemicals are without hazards, so it is important to minimize all chemical exposure.
4. a. True
5. a. True
6. b. False. MSDSs must be accessible to all at any time.
7. b. False. Workers should never eat, drink, or smoke in a controlled area, and food or beverages should never be kept in areas with hazardous chemicals.
8. a. True
9. a. True
10. a. True

## Reading The MSDS Quiz

1. a. True.
2. b. PEL (Permissible Exposure Limit).
3. b. Changes from liquid to gas, making it an inhalation hazard.
4. a. The lowest temperature at which an ignition source could make its vapors catch fire.
5. b. False. Some chemicals react dangerously to water, some to air, and some to other chemicals.
6. c. Avoid exposing the chemical to the substance with which it's incompatible.
7. c. Both a (inhaling or swallowing) and b (skin or eye contact) can lead to health problems.
8. b. Over a long period of time.
9. b. Avoid inhaling or making skin or eye contact with the chemical.
10. a. True.

## Storing Hazardous Materials Quiz

1. b. False. Other dangers include corrosive substances, health hazards, or violent reactions to other substances.
2. b. False. Although labels give you some information, the most information comes from MSDSs.
3. b. False. Always be sure you know what PPE is required and use it.
4. a. True
5. b. False. Never enter a restricted area unless you have been authorized.
6. a. True. Report any holes, leaks, rust, dents, or missing or illegible labels.
7. a. True
8. a. True
9. b. False. Proceed with cleanup only if you have been trained.
10. b. False. Get immediate medical attention if exposed to a hazardous substance.