

Module 1 Introduction to OSHA: Study Guide

Module Learning Objectives

1. Recognize types of workplace hazards.
2. List your rights and responsibilities.
3. Identify your employer's responsibilities.
4. File a health and safety complaint.
5. Outline the steps OSHA takes to address complaints.

Module Summary

Learning Objective 1. Recognize types of workplace hazards.

Congress created OSHA in 1970 with the Occupational Safety and Health Act ("OSH Act") to make workplaces safer. A key component is identifying and addressing workplace hazards as early as possible to help prevent injuries and illnesses.

Common types of hazards include:

- Unstable walls
- Safety hazards: Unsafe conditions that can cause burns, cuts, amputations, broken bones, electric shock, or death.
- Chemical hazards: Harmful chemicals, including gases, liquids, or dust, that can get into the body through the nose, mouth, or skin.
- Biological hazards: Living things, including plants, animals, or germs, that can cause diseases, allergic reactions, bites, or poisoning.
- Physical hazards: Environmental conditions that can cause sunburn, dehydration, frostbite, or hearing loss.
- Ergonomic hazards: Working conditions that can cause back, shoulder, or neck pain, discomfort, strains, and other injuries.
- Work organization hazards: Workplace issues that can cause stress.

The hierarchy of controls outlines the best way to protect workers from hazards by:

- Eliminating them from the site.
- Substituting them for something else.
- Reducing workers' exposure with engineering safeguards (also called engineering controls).
- Instituting safety policies (also called administrative controls).
- Providing personal protective equipment (PPE) to protect against the effects of the hazard.

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after completing this lab exercise you should be able to identify and describe the stages of the cell cycle mitosis and meiosis recognizing the events that occur during each stage distinguish between mitosis and cytokinesis as they take place in animal and plant cells

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the onion root is also a good place because this is the area where the plant is growing remember that when cells divide each new cell needs an exact copy of the dna in the parent cell this is why mitosis is only visible in cells that are dividing like the whitefish embryo and the onion root tip mitosis can take several hours to complete

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in general mitosis occurs through several stages that include prophase divided into prophase and prometaphase metaphase anaphase telophase because of the rapid rate at which onion root tips grow as a result of rapid cell division it s possible to observe and identify the different stages of mitosis

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