

# UNIT 6: Safety in Workplace

## VOCABULARY



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Term	Description	Image
<b>Workplace safety</b>	Refers to the practices, policies, procedures, and conditions put in place to ensure the well-being, health, and safety of employees and other individuals in a workplace environment. The primary goal of workplace safety is to prevent accidents, injuries, and illnesses by identifying potential hazards, implementing safety measures, and promoting a culture of safety among employees. It encompasses a wide range of activities and considerations that apply to different industries and job roles.	X
<b>Hazard</b>	The term "hazard" refers to a potential source of harm or adverse effect on something or someone. Hazards can be physical, chemical, biological, ergonomic, or psychosocial, depending on the context. They have the potential to cause injury, illness, damage, or disruption, making them important to identify and manage in various settings, including workplaces, homes, and natural environments.	X
<b>Safety training</b>	"Safety training" refers to the educational process that aims to inform and teach individuals about the safe practices, protocols, and procedures to prevent accidents, injuries, and health hazards in various environments, particularly in workplaces. The goal of safety training is to create awareness about potential hazards, provide knowledge on how to handle them, and equip people with the skills needed to respond appropriately to emergencies.	X
<b>Personal protective equipment</b>	Refers to specialized clothing or equipment worn by individuals to protect themselves from potential hazards that could cause injury, illness, or harm in various environments. PPE acts as a barrier between the wearer and the hazards they may encounter, which can be physical, chemical, biological, radiological, or mechanical. The use of PPE is an essential component of workplace safety and health management.	
<b>Safety check</b>	The term "safety check" refers to the process of systematically examining equipment, environments, or procedures to identify potential hazards, ensure compliance with safety standards, and verify that safety measures are in place and functioning correctly. Safety checks are essential in maintaining a safe environment and preventing accidents, injuries, and health issues. They can be conducted regularly as part of routine maintenance or as needed, especially after significant changes or incidents.	X
<b>Electrocution</b>	The risk of electric shock or fatal injury caused by exposure to electrical energy, particularly relevant when working with electric vehicle batteries.	

<b>Lockout/Tagout (LOTO)</b>	A safety procedure used to ensure that machines are properly shut off and not able to be started up again before maintenance or repair work is completed, especially important for EV charging systems.	
<b>Battery Management System (BMS)</b>	A system that monitors and manages the performance of an electric vehicle's battery, crucial for ensuring safety during maintenance and operation.	
<b>High Voltage</b>	Refers to the electrical systems in electric vehicles that operate at voltages higher than standard levels, requiring special safety precautions.	
<b>Grounding</b>	The process of connecting electrical equipment to the ground to prevent electric shock, particularly important when working on or near electric vehicles.	
<b>Emergency Response Plan</b>	A set of procedures to follow in case of an accident or emergency involving electric vehicles, including battery fires or electric shocks.	
<b>Fire Safety</b>	Measures and protocols in place to prevent and respond to fires, which can be a risk with lithium-ion batteries used in electric vehicles.	
<b>Training and Certification</b>	Programs designed to educate workers on the safe handling and maintenance of electric vehicles, ensuring they are knowledgeable about potential hazards.	
<b>Incident Reporting</b>	The process of documenting and reporting any accidents or near-misses related to electric vehicle operations, which is essential for improving workplace safety.	