



2020 Learning Objectives

KEY TOPICS

1. Basic principles of waste management
2. Types and sources of waste
3. The effects and impacts of waste and waste management to the economy, society, and environment
4. Waste disposal methods
5. Roles and responsibilities of government, consumers, and industry in preventing, diverting, and managing waste
6. Waste management strategies and technologies with a focus on preventive measures
7. Role of awareness, outreach and education on waste management

Modern Wasteland

Exploring Waste Management



LEARNING OBJECTIVES

1. Define waste management and demonstrate overall knowledge of the importance of waste management in Canada
2. Understand basic principles of waste management and current methods of disposal employed in Canada
3. Describe and understand the importance of waste diversion
4. Describe and discuss the difference sources and types of waste
5. Comprehend the effects of waste and waste management on the environment including; aquatic, forest, wildlife, and soil ecosystems
6. Analyze the economic, political, social, and environmental practices that relate to waste management strategies
7. Understand the effectiveness of different waste diversion and disposal methods (landfill, recycling, reusing, and upcycling)
8. Understand the scientific principles involved in processing solid, liquid, and gaseous waste (primarily combustion and decomposition)
9. Investigate alternative waste management systems such as circular economy and extended producer responsibility
10. Overall knowledge of strategies and technologies used in the collection, storage, and disposal of waste (recycling, composting, landfills, compactors, and enzyme digesters)