

Waste Management Fundamentals

Environmental Science · Answer Key · 6 Questions

1. Which option correctly lists the waste hierarchy in order of preference from most to least desirable?

- A) Reduce, Reuse, Recycle, Recover, Dispose**
- B) Recycle, Reduce, Reuse, Dispose, Recover
- C) Reuse, Recycle, Reduce, Recover, Dispose
- D) Dispose, Recover, Recycle, Reuse, Reduce

2. What is the primary environmental concern associated with traditional landfilling of municipal solid waste?

- A) Release of ozone-depleting substances
- B) Depletion of mineral resources
- C) Contamination of soil and groundwater**
- D) Increased biodiversity

3. What distinguishes e-waste (electronic waste) from general municipal solid waste in terms of environmental impact?

- A) It is entirely biodegradable
- B) It contains a high concentration of hazardous materials**
- C) It breaks down rapidly in landfills
- D) It requires minimal energy for recycling

4. Which type of waste is most suitable for composting?

- A) Glass bottles
- B) Plastic packaging
- C) Organic food scraps**
- D) Metal cans

5. What is a potential benefit of modern waste-to-energy incineration facilities?

- A) Eliminates all greenhouse gas emissions
- B) Creates new landfill space
- C) Generates electricity from waste**
- D) Increases the volume of waste for disposal

6. What is the crucial first step in the recycling process for most collected materials?

- A) Melting and reshaping
- B) Sorting and cleaning**
- C) Direct product manufacturing
- D) Landfilling excess material