

Introduction (5 minutes)

Read the introduction to water pollution and answer the following questions:

1. What is water pollution, and why is it a major environmental issue?

2. How does water pollution affect human health and the economy?

Multiple Choice Questions (15 minutes)

Choose the correct answer for each question:

1. What is the main cause of water pollution?

- a) Industrial waste
- b) Agricultural runoff
- c) Domestic waste
- d) All of the above

Answer: d) All of the above

2. What is the effect of water pollution on human health?

- a) It can cause waterborne diseases
- b) It can affect the economy
- c) It can harm aquatic life
- d) All of the above

Answer: d) All of the above

3. What can individuals do to reduce water pollution?

- a) Reduce their use of plastic
- b) Use public transport
- c) Dispose of waste properly
- d) All of the above

Answer: d) All of the above

Short Answer Questions (20 minutes)

Answer the following questions in complete sentences:

1. What is water pollution, and how does it affect the environment?

2. What are some ways to prevent water pollution?

Essay Question (30 minutes)

Choose one of the following essay questions and write a well-structured essay response:

1. Discuss the causes and effects of water pollution on the environment and human health.
2. What are some potential solutions to water pollution, and how can individuals contribute to addressing this issue?

Activities (30 minutes)

Choose one of the following activities:

1. **Water Pollution Diagram:** Draw a diagram showing the different sources of water pollution and their effects on the environment.
2. **Water Conservation Plan:** Create a plan to reduce water waste in your school or community, including strategies for conserving water and promoting water conservation practices.
3. **Water Pollution Poster:** Design a poster to raise awareness about water pollution, including its causes, effects, and potential solutions.

[Space for activity work]

Case Study (20 minutes)

Read the following case study and answer the questions that follow:

Case Study: The city of Flint, Michigan, faced a major water pollution crisis in 2014 when it was discovered that the city's water supply was contaminated with lead.

1. What were the causes of the water pollution crisis in Flint, Michigan?

2. What were the effects of the crisis on the environment and human health?

3. What steps were taken to address the crisis, and what can be done to prevent similar crises in the future?

Conclusion (10 minutes)

Individual Reflection:

1. What was the most surprising thing you learned about water pollution?

2. How will this learning change your actions in the future?

3. What questions do you still have about water pollution?

Assessment Rubric

The following rubric will be used to assess your work:

- Multiple Choice Questions: 20 points
- Short Answer Questions: 30 points
- Essay Question: 30 points
- Activities: 20 points

