

Student Name: _____

Class: _____

Due Date: _____

Essential Understanding:

- Marine ecosystems cover 71% of the Earth's surface
- Importance of marine ecosystems for biodiversity and climate regulation
- Threats to marine ecosystems, including pollution, overfishing, and habitat destruction

Multiple Choice Questions:

1. What percentage of the Earth's surface is covered by marine ecosystems?

- a) 20%
- b) 50%
- c) 71%
- d) 90%

Answer: c) 71%

2. What is one of the main threats to marine ecosystems?

- a) Climate change
- b) Pollution
- c) Overfishing
- d) All of the above

Answer: d) All of the above

Activity 1: Short Answer Questions

Answer the following questions in 50-100 words:

1. What is pollution, and how does it affect marine ecosystems?

2. What is the importance of sustainable fishing practices in protecting marine ecosystems?

3. What can individuals do to help protect marine ecosystems?

Activity 2: Essay Question

Write a 250-300 word essay on the following topic:

What are the consequences of pollution on marine ecosystems, and how can individuals contribute to reducing pollution?

Activity 3: Creative Project

Create a poster, flyer, or video that raises awareness about the importance of protecting marine ecosystems and the actions individuals can take to help.

Activity 4: Case Study

Read the following case study and answer the questions:

Case Study: A local beach is facing pollution due to litter and sewage. The local community is working to clean up the beach and implement sustainable practices.

1. What are the causes of pollution on the beach?

2. What actions is the local community taking to address the pollution?

3. What can individuals do to help support the local community's efforts?

Conclusion

Protecting and restoring marine ecosystems is crucial for maintaining the health of our planet.

By understanding the importance of marine ecosystems and taking action to reduce pollution, individuals can contribute to preserving these vital ecosystems for future generations.

Assessment Rubric

Multiple Choice Questions (20 points)

Short Answer Questions (30 points)

Essay Question (30 points)

Creative Project (20 points)

Case Study (20 points)

Extension Activity

Research and create a presentation on a local marine ecosystem and the actions being taken to protect it.

Share your presentation with the class and discuss the importance of protecting marine ecosystems.