



Mediterranean Sea: Our Living Ocean

Learning Objectives

By the end of this activity sheet, you will be able to:

- Understand and explain Mediterranean marine biodiversity
- Identify key environmental challenges facing the Mediterranean
- Develop critical thinking about marine conservation
- Create solutions for environmental protection

Warm-Up Activity: Mediterranean Explorer (15 minutes)

Look at the map below and complete the following tasks:

1. Circle three countries that border the Mediterranean Sea
2. Draw arrows to show the main sea currents (use blue arrows)
3. Mark with stars (★) where you think the main protected marine areas are

[Map Drawing Space]

Marine Life Investigation (20 minutes)

Match each marine species with its characteristics:

Species	Characteristics	Status
Mediterranean Monk Seal		
Loggerhead Sea Turtle		

Posidonia Seagrass		
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Environmental Impact Analysis (25 minutes)

Investigate human activities affecting the Mediterranean Sea:

Task 1: Rate each human activity's impact (1-5, where 5 is most harmful):

Activity	Impact Rating	Your Solution
Overfishing		
Plastic Pollution		
Coastal Development		

Critical Thinking Question:

Which of these problems do you think is most urgent to address? Explain your reasoning:

Climate Change Effects (20 minutes)

Complete the diagram showing how climate change affects marine life:

Climate Change Impact Web

[Draw connections between: Temperature Rise, Ocean Acidification, Sea Level Rise, Marine Species]

Creative Conservation Campaign (30 minutes)

Design an awareness campaign to protect the Mediterranean Sea:

Campaign Planning Sheet

1. Campaign Name:

2. Target Audience:

3. Main Message:

4. Visual Elements (sketch your logo or poster):

Action Plan:

List three specific actions your campaign will encourage people to take:

1.

2.

3.

Marine Ecosystem Deep Dive (45 minutes)

Explore the interconnected Mediterranean food web:

Trophic Level	Species Examples	Role in Ecosystem
Apex Predators		
Secondary Consumers		
Primary Consumers		
Producers		

Food Web Analysis:

Draw arrows to show energy flow between species:

[Food Web Drawing Space]

Mediterranean Water Chemistry (30 minutes)

Investigate water quality parameters:

Parameter	Typical Range	Your Measurements	Analysis
Salinity (ppt)	36-39		
Temperature (°C)	13-28		
pH Level	7.8-8.4		

Data Analysis

Create a line graph showing temperature changes over seasons:

[Graph Paper Grid]

Mediterranean Cultural Heritage (40 minutes)

Explore the historical significance of the Mediterranean Sea:

Historical Timeline:

Ancient Civilizations

Maritime Trade Routes

Modern Mediterranean

Cultural Investigation:

Country	Maritime Traditions	Environmental Practices
Greece		
Italy		
Egypt		

Sustainable Tourism Project (35 minutes)

Design an eco-friendly tourism plan:

Tourist Activity Impact Assessment

Activity	Environmental Impact	Sustainable Alternative
Beach Tourism		
Water Sports		
Coastal Hotels		

Design Your Eco-Tourism Package:

- 1. Location Selection:
- 2. Sustainable Activities:
- 3. Environmental Protection Measures:
- 4. Local Community Benefits:

Homework Assignment

Complete one of the following tasks for next class:

1. Create a detailed poster about a Mediterranean marine species
2. Write a one-page report about plastic pollution solutions
3. Design an infographic about sustainable fishing practices

Additional Resources

Mediterranean Marine Life Guide

Conservation Success Stories

Marine Protection Organizations