

Name:

Ocean Teens



Coastal Geography Worksheet

1. Draw and label the zones of a coastal environment using the following terms

Coastal System Beach Backshore Foreshore
Berm High Tide Low Tide Surf Zone

A large, empty rounded rectangular box with a green border, intended for drawing and labeling the zones of a coastal environment.

2. Compare the geographic characteristics and natural formation of each of the following coastal environments:

	Physical Characteristics	Human Characteristics (if any)	Formed by what natural process?
Bay			
Rock Pool			
Estuary			
Coral Ref			
Polar Coast			

3. Describe how the following natural processes have shaped areas such as the Hauraki Gulf:

Constructive Waves:

Destructive Waves:

Longshore Drift:

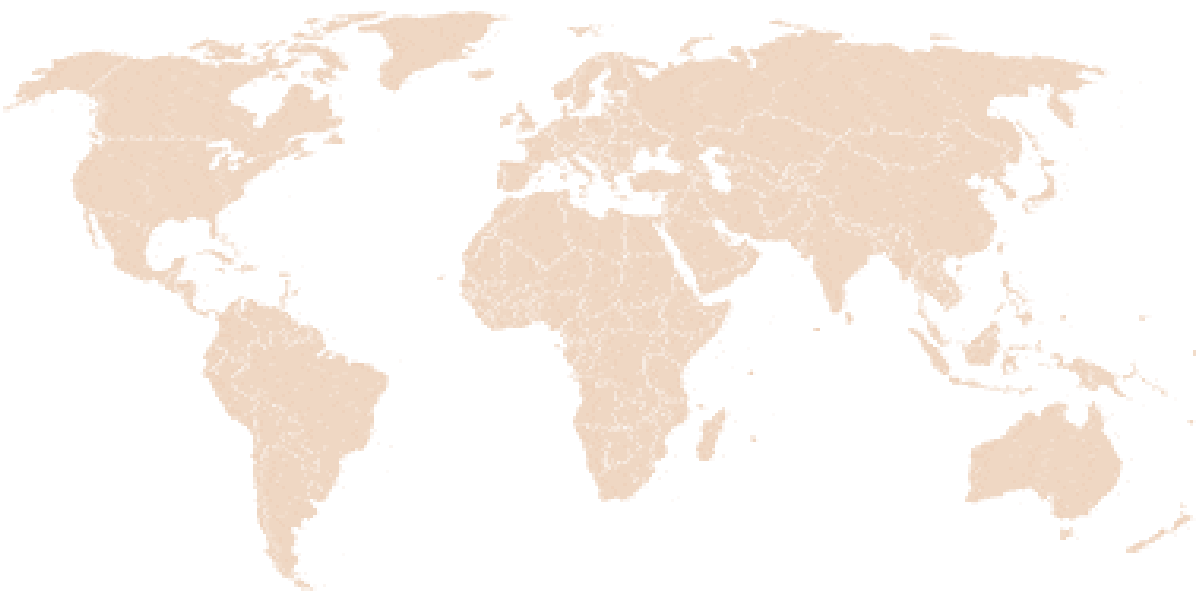
4. Explain how the following human processes can change areas, such as the Waitemata Harbour:

Dredging:

Breakwater:

Sewage runoff:

5. Label and describe the distribution of tropical, temperate and polar coastal environments:



6. Identify how SEA LIFE Kelly Tarlton's replicate a natural environment for their displays:

Aspect	Role	Natural Equivalent
Input of sea/fresh water		
Physical filtration: vacuum and sand filter		
Chemical filtration: Ozone		
Biological filtration: Protein skimmers		

7. Outline the spatial interaction between rivers and the coast:

8. Describe the changes to the Wanganui River since European settlement. How have these changes impacted on coastal environments?

9. Does the Antarctic coast play a role in the coastal environments of the South Island?
How?

10. Predict some of the challenges of managing coasts:

11. "It is far better to educate people about how to use coastal areas than restrict their use or enforce bans and fines." Evaluate this statement based on what you have seen and discussed today.
