

# Label a Living Shoreline!

What role does each animal, plant, or material play in a living shoreline?

Building living shorelines to adapt to climate change makes our coastal communities resilient to erosion, sea level rise, and strong storms. Each element plays a role - whether that is strengthening the shoreline, making the environment healthier, or simply being a part of the ecosystem. **Write the role for each below and label them in the diagram.** Think about why each element is necessary and how it would behave towards things like wind, waves, flooding, and sea level rise, or consider if the element relies on a natural shoreline and why. Also think about how each element may interconnect with the others. Put your science & engineer hats on!

**Ribbed Mussels**

***Spartina alterniflora***

**American Beach Grass**

**Sediment/ Sand**

**Rocks**

**Horseshoe Crab**

**Diamondback Terrapin**

1. What are some benefits of a living shoreline? What are negatives of a hardened shoreline?

2. What animals would be negatively impacted by a hardened shoreline? Why?

HIGH TIDE

LOW TIDE

