**Guided Notes: Changing Shorelines**

Beach erosion and shifting shorelines are caused by both \_\_\_\_\_\_\_\_ processes and human activities, leading to significant changes in coastal landscapes.

**Key Concepts:**

• Beach erosion occurs when sand is removed from the beach and deposited in \_\_\_\_\_\_\_\_ waters offshore.

• Three main causes of beach erosion:

 1. Human \_\_\_\_\_\_\_\_

 2. Ocean \_\_\_\_\_\_\_\_

 3. Storm \_\_\_\_\_\_\_\_

• Ocean currents are defined as the continuous \_\_\_\_\_\_\_\_ of seawater.

• Human activities that can accelerate erosion:

 - Building \_\_\_\_\_\_\_\_ to the coast

 - Damaging sand \_\_\_\_\_\_\_\_, which protect low-lying beaches

• Effects of beach erosion:

 - Beaches become \_\_\_\_\_\_\_\_ and lower in elevation

 - Shorelines shift \_\_\_\_\_\_\_\_

 - Some beaches are completely \_\_\_\_\_\_\_\_ to erosion

• Shoreline is defined as where a body of water meets the \_\_\_\_\_\_\_\_.

• In populated areas, beach erosion can result in:

 - Narrower beaches

 - Increased risk of \_\_\_\_\_\_\_\_

 - Economic impacts on \_\_\_\_\_\_\_\_ and property values

**Real World Examples:**

1. Family vacation: Compare photos of a beach you visited years ago to its current state. Look for changes in beach \_\_\_\_\_\_\_\_ and shoreline position.

2. Local coastal development: Observe how construction near beaches might affect sand dunes and potentially contribute to \_\_\_\_\_\_\_\_.

**Word Bank:**

natural

deeper

activity

currents

waves

movement

close

dunes

narrower

inland

lost

land

flooding

tourism

width

erosion