

NAME \_\_\_\_\_

## PRELAB ON COASTLINES AND COASTAL PROCESSES

### Chapter 15 in Lab book.

Read about the following shoreline features and landforms.  
Look over the figures that illustrate these landforms.

#### SHORELINE FEATURES:

EROSIONAL: wave-cut cliffs  
wave cut platform  
headlands  
marine terrace  
Sea stacks, sea arches, sea caves

DEPOSITIONAL: Sand spits  
baymouth bar  
tombolo  
Barrier Islands (Gulf and Atlantic coasts) – Fig. 11.5

#### COASTAL PROTECTION:

JETTIES - keep channel open  
GROINS - slow sand transport  
Breakwater - Stop waves  
SEAWALLS - stop waves  
Beach Nourishment or Replenishment - bringing sand in

1. What is a sea stack and how do they form? \_\_\_\_\_

2. What is a headland? \_\_\_\_\_

3. What is a spit? \_\_\_\_\_

4. What is a tombolo? \_\_\_\_\_

5. What is a barrier island? \_\_\_\_\_

What landscape features occur on barrier islands? \_\_\_\_\_

What is a tidal inlet? \_\_\_\_\_

What do you think happens to barrier islands during a hurricane? \_\_\_\_\_

6. List 5 features characteristic of submergent coasts:

\_\_\_\_\_  
\_\_\_\_\_

7. What is longshore drift and how can it change the appearance of a beach? \_\_\_\_\_

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