

Chapter 8

Text Pages 222–226

STUDY GUIDE

● Ocean Shoreline

Each numbered list below gives some characteristics of one of the shoreline features in the box. Write the name of each shoreline feature above the correct list.

shoreline rocky shoreline	beach barrier islands	longshore current
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- | | |
|---|--|
| <p>1. _____</p> <ul style="list-style-type: none"> • rocks • cliffs • caves | <p>4. _____</p> <ul style="list-style-type: none"> • sand deposits • separated from mainland • dunes |
| <p>2. _____</p> <ul style="list-style-type: none"> • colliding waves • running water • parallel to shore | <p>5. _____</p> <ul style="list-style-type: none"> • smooth, gently sloping • sediment deposits • sands |
| <p>3. _____</p> <ul style="list-style-type: none"> • high tide • low tide • water's edge | |

A **cause** is something that makes something happen. An **effect** is what happens. Write the part of the statement that is the cause and the part that is the effect on the lines provided.

1. Shorelines change constantly because they experience the forces of tides, waves, and currents.
cause: _____
effect: _____
2. When constant wave motion bumps sand grains together, the corners of the sand become rounded.
cause: _____
effect: _____
3. The more energy a longshore current has, the more it will erode shoreline sediments.
cause: _____
effect: _____
4. Beaches have sand-sized particles because waves break rocks and seashells down.
cause: _____
effect: _____