

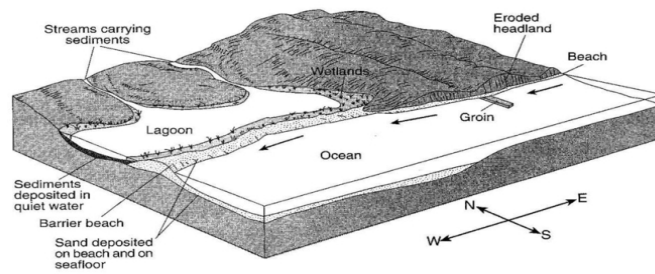
Erosion Weathering and Deposition Worksheet

NAME: _____

1. _____ Which characteristic would most likely remain constant when a limestone cobble is subjected to extensive abrasion?

- (1) shape (2) mass (3) volume (4) composition

Base your answers to questions 2 through 4 on the diagram to the right. The arrows show the direction in which sediment is being transported along the shoreline. A barrier beach has formed, creating a lagoon. A groin has recently been constructed. Groins are wall-like structures built into the water perpendicular to the shoreline to trap beach sand.



2. _____ The groin structure will change the pattern of deposition along the shoreline, initially causing the beach to become

- (1) wider on the western side of the groin (3) narrower on both sides of the groin
 (2) wider on the eastern side of the groin (4) wider on both sides of the groin

3. _____ The sediments that have been deposited by streams flowing into the lagoon are most likely

- (1) sorted and layered (3) unsorted and layered
 (2) sorted and not layered (4) unsorted and not layered

4. _____ Which event will most likely occur during a heavy rainfall?

- (1) Less sediment will be carried by the streams.
 (2) An increase in sea level will cause more sediments to be deposited along the shoreline.
 (3) The shoreline will experience a greater range in tides.
 (4) The discharge from the streams into the lagoon will increase.