

Name: _____

Date: _____ Period: _____

Agents of Erosion

The Physical Setting: Earth Science

Worksheet: Mass Movement, Wind, and Waves

- The particles in a sand dune deposit are small and very well-sorted and have surface pits that give them a frosted appearance. This deposit most likely was transported by
 - ocean currents
 - glacial ice
 - gravity
 - wind
- The long, sandy islands along the south shore of Long Island are composed mostly of sand and rounded pebbles arranged in sorted layers. The agent of erosion that most likely shaped and sorted the sand and pebbles while transporting them to their island location was
 - glaciers
 - landslides
 - wind
 - oceans
- Waves that erode the shore of Lake Ontario are caused primarily by
 - the rotation of the Earth
 - differences in temperature of lake water along the shore
 - winds blowing over the lake surface
 - density variations within the lake
- Which natural agent of erosion is mainly responsible for the formation of the barrier islands along the southern coast of Long Island, New York?
 - mass movement
 - running water
 - prevailing winds
 - ocean waves
- For which movement of earth materials is gravity not the main force?
 - sediment flowing in a river
 - boulders carried by a glacier
 - snow tumbling in an avalanche
 - moisture evaporating from an ocean
- Wind erosion is most active in regions that have
 - a hot climate
 - much loose sediment
 - weak or non-resistant bedrock
 - bedrock exposed to the atmosphere