

ANSWER KEY:

Study guide: Effects of Constructive and Destructive Forces on the Earth's Surface (Standard 5-3.1)

5-3.1 Explain how natural processes (including weathering, erosion, deposition, landslides, volcanic eruptions, earthquakes, and floods) affect Earth's oceans and land in constructive and destructive ways.

Use your notes and your graphic organizers to help you answer the following questions:

Which natural processes can cause new land to form (are constructive forces)?

deposition

Which natural processes can tear down the land and cause landforms to be destroyed (are destructive forces)?

Weathering, erosion, earthquakes

Which natural processes can both build up and tear down the land (both constructive and destructive forces)?

Landslides, volcanoes and floods

Explain how these processes can do both.

They cause BOTH weathering and deposition, therefore they break down the earth and build it up somewhere else!

List six **causes** of weathering.

Water, change in temperature, plant roots, ice (glaciers), wind and gravity

List four **agents** of erosion. Circle the strongest agent of erosion.

Water (strongest), wind, ice and gravity

List three **agents** of deposition.

Water, wind and ice

Deposition can create what two types of landforms?

Delta and dunes (The 3 Ds are Deposition = deltas and dunes)