



Glue this side into your notebook.



EARTH'S SURFACE

- CHECKLIST KEY**
- I could teach this.
 - I somewhat get it.
 - I've heard of it.
 - I need to learn this.

THE THINGS I SHOULD KNOW BEFORE 8th GRADE:

- Igneous, metamorphic, sedimentary rocks are formed through different processes and have different characteristics.
- Understand basic surface events on Earth, like flooding, erosion, weathering, types of landforms, mass wasting, etc.
- Earth's systems interact in an exchange of matter and energy.

THE MOST BASIC IDEAS TO KNOW AFTER THE UNIT:

- A combination of constructive and destructive processes formed Earth's surface.
- Along with plate tectonics, there are a variety of other geologic processes that impact Earth's surfaces.

I KNOW...

- a. the difference between constructive and destructive geologic processes
- what erosion, deposition, and tectonic activity are
- how erosion, deposition, and tectonic activity can impact the surface of the Earth
- how to identify surface patterns and features of
- streams and floodplains
 - glaciers
 - tectonic activity
 - coastlines
 - flooding
 - deserts

I CAN...

- a. predict features on the Earth's surface (*through the characteristics of rock and soil, climate, location, and topography*) as a result of the constructive and destructive processes
- look at specific features of the surface of the Earth and identify the constructive and destructive geologic processes (*tectonic activity, erosion, deposition*) that formed them
- use evidence from data (*topographic, physical, and aerial maps, cross-sections, and on-site data and technology (remote sensing, satellite data, and LANDSAT)*) to identify features and predict changes to features on Earth's surface
- look at maps and diagrams and predict surface patterns and features of
- streams and floodplains
 - glaciers
 - tectonic activity
 - coastlines
 - flooding
 - deserts

VOCABULARY

<input type="checkbox"/> rock	<input type="checkbox"/> topographic map	<input type="checkbox"/> glacier	<input type="checkbox"/> stream
<input type="checkbox"/> weathering	<input type="checkbox"/> topography	<input type="checkbox"/> till	<input type="checkbox"/> discharge rate
<input type="checkbox"/> erosion	<input type="checkbox"/> landforms	<input type="checkbox"/> kettle	<input type="checkbox"/> gradient
<input type="checkbox"/> deposition	<input type="checkbox"/> flooding	<input type="checkbox"/> moraine	<input type="checkbox"/> beach
<input type="checkbox"/> remote sensing	<input type="checkbox"/> canyon	<input type="checkbox"/> outwash	<input type="checkbox"/> cliff
<input type="checkbox"/> constructive process	<input type="checkbox"/> floodplain	<input type="checkbox"/> erratic	<input type="checkbox"/> sand dune
<input type="checkbox"/> destructive process	<input type="checkbox"/> desert	<input type="checkbox"/> esker	<input type="checkbox"/> mountain