Task Cards

Earth Changes: Cause and Effect

Differentiated

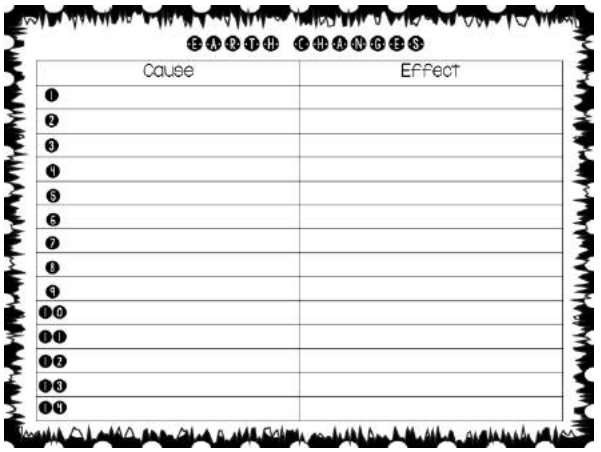
Generating **Cause and Effect** and **Classification** with pictures

The Owl TEACHER

TEACHERS PAGE

The earth changes unit is the easiest to practice cause and effect with all the various constructive and destructive processes that occur on earth. Students will use their inference skills along with their earth science schema to generate cause and effect sentences based off of the pictures provided.

Sample Task Card

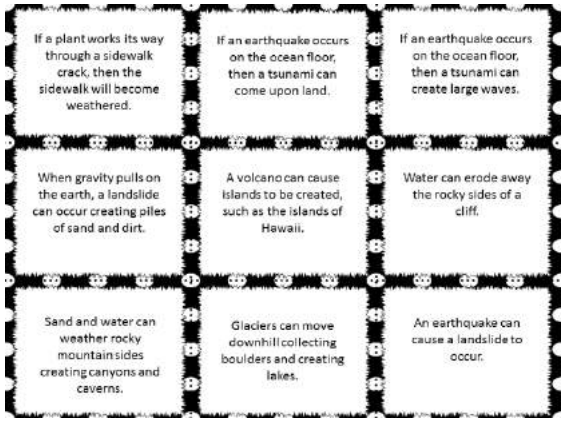


EARTH CHANGES

	Cause	Effect
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

Student Sheet

To differentiate the task, I have also provided written cause and effect cards for students to match to the appropriate picture or to use instead of the pictures.



Sample Cause and Effect Cards

Additionally, as another science related activity, students can evaluate if each picture is a constructive process or a deconstructive process and justify their decision.

Sample Sort Activity

There are 28 cards total that demonstrate earth science concepts such as earthquakes, mountain building, island building, volcanoes, landslides, tsunamis, flooding, wind erosion, glaciers, water erosion, deposition, physical weathering, and chemical weathering.

These cards can be used several different ways such as in small groups, in partners, individually, as homework, as a literary center or a science center. Students can respond on the provided sheet (to be copied back to back) or on notebook paper. Student's answers may vary so it's best to determine if the picture supports their reasoning.

These task cards provide more detail when printed in color, however they can be printed in grayscale to save on ink. It is recommended that they are printed, cut, and laminated for repeated use.

The pictures can also be used in class as part of the lessons to help students visualize the earth science concepts.

If a plant works its way through a sidewalk crack, then the sidewalk will become weathered.

If an earthquake occurs on the ocean floor, then a tsunami can come upon land.

If an earthquake occurs on the ocean floor, then a tsunami can create large waves.

When gravity pulls on the earth, a landslide can occur creating piles of sand and dirt.

A volcano can cause islands to be created, such as the islands of Hawaii.

Water can erode away the rocky sides of a cliff.

Sand and water can weather rocky mountain sides creating canyons and caverns.

Glaciers can move downhill collecting boulders and creating lakes.

An earthquake can cause a landslide to occur.

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EARTH CHANGES

Look at each card carefully and evaluate whether it is a constructive process or a destructive process. Be ready to justify your decision. Below write the number of the card under the appropriate box along with why you believe it is that process.

Constructive (creates)	Destructive (destroys)