## Virtual Field Trip









### Unit Question

## Does the shape of the land on Earth change?

THE SHAPE OF THE SHAPE OF HE LAND CHANGES BECAUSE OF.....



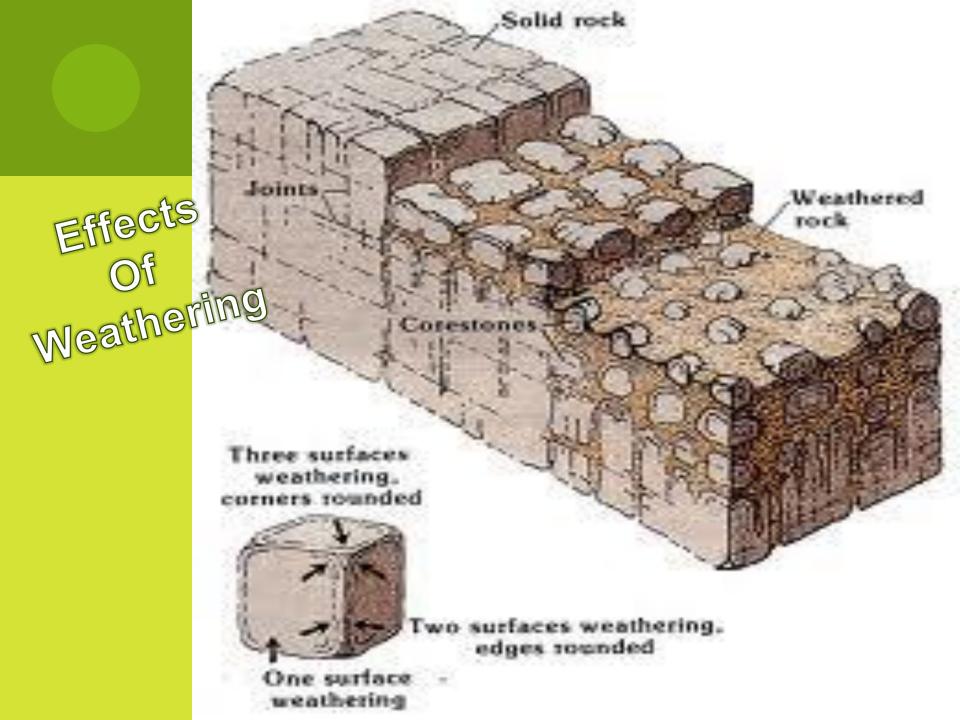
Lets take a look at this video to get us ready to learn more about how weathering and erosion can change the shape of our land.

HTTP://STUDYJAMS.SCHOLASTIC.COM/STUDYJAMS/JAMS/SCIENCE/ ROCKS-MINERALS-LANDFORMS/WEATHERING-AND-EROSION.HTM

## WEATHERING

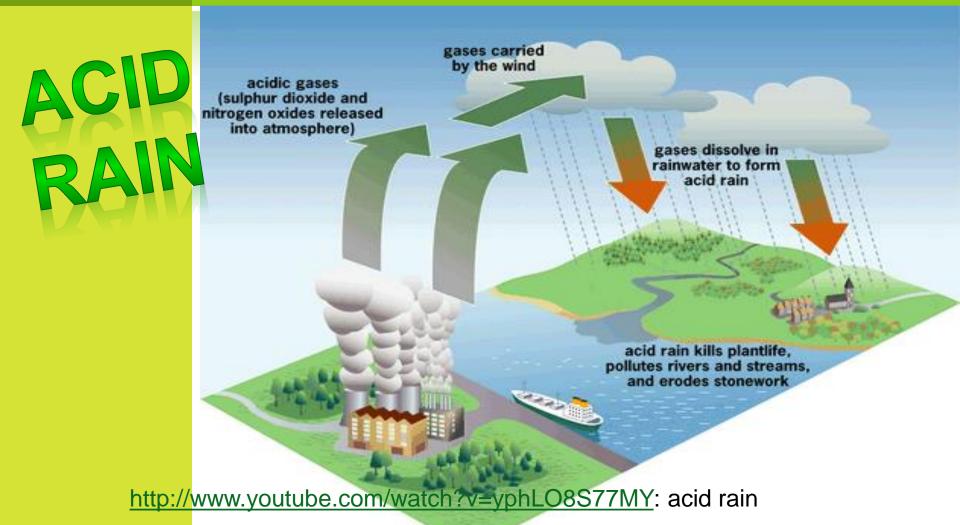
#### THE BREAK DOWN OF ROCKS INTO SMALLER ROCKS BECAUSE OF THE WEATHER



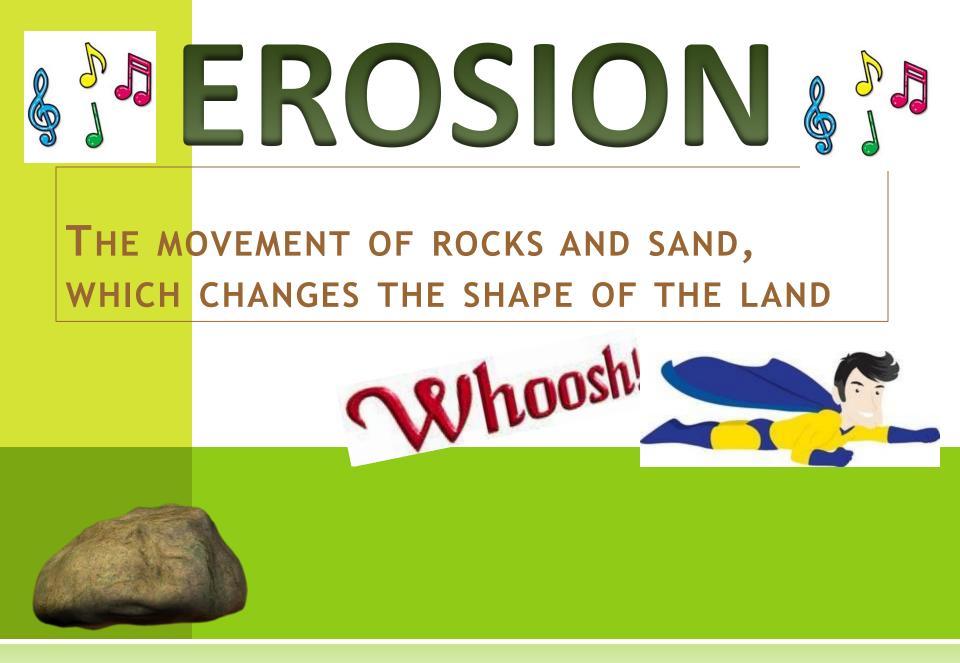


## eathering Prediction water break a brick? Can Watch this video to see Vour prediction http://www.teachertube.com/viewVideo.php?vid eo id=31760&title=Weathering Ice Wedging

## **Chemical Weathering**



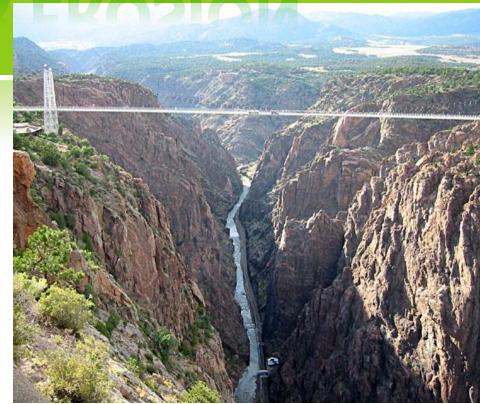
http://www.youtube.com/watch?v=a5qRnbhtako: chemical weathering



https://www.youtube.com/watch?v=J-ULcVdeqgE: Bill Nye

#### WATER EROSION





carves canyons

- •cuts valleys into the land
- smoothes rocks and moves them downstream

## Did you know the Grand Canyon was formed from water erosion?



http://www.teachersdomain.org/asset/ess05\_vid\_canyon/

#### WAVES EROSION





crashes into rocks and carves arches and caves
 changes beaches

•pushes sand onto the beach and pulls sand out to the sea

#### **GLACIER EROSION**





# flattens the land carves out basins or bowls in the land

#### WIND EROSION





blows sand and smoothes rocks
 can carve arches into rock formations





Now its time to identify these four types of erosion by playing the game Shape It Up, an Earth Changing Erosion Activity.

http://www.kineticcity.com/mindgames/warper/

## EPOSITION

#### like a dump truck

## The depositing or dropping off of rocks d sand in a new place **3. DEPOSITION** an

THIS SHORT VIDEO SHOWS HOW WEATHERING, EROSION, AND DEPOSITION WORK TOGETHER http://www.youtube.com/watch?v=oFnpm4SUF7I



#### ROCK AROUND THE PARK



#### Play this game to learn how landforms continue to change over time

http://www.nps.gov/webrangers/activities/rockpark/

#### Let's take a trip around the United States to see the affects of erosion across our country!



http://www.classzone.com/books/earth\_science/terc/content/visual izations/es1205/es1205page01.cfm

#### REFERENCES

Ice Wedging. (2008). *Teacher Tube*. Retrieved on October 15, 2011, from <u>http://www.teachertube.com/viewVideo.php?video\_id=31760</u> <u>title=Weathering\_Ice\_Wedging</u>.

The Grand Canyon: How It Formed. (2006). *Teacher's Domain*. Retrieved on October 15, 2011, from <u>http://www.teachersdomain.org/asset/</u><u>ess05\_vid\_canyon/</u>.

Rock around the Park. *Web Rangers*. Retrieved on October 16, 2011, from <u>http://www.webrangers.us/activities/rockpark/?id=22</u>.

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Weathering, Erosion, and Deposition. *You Tube*. Retrieved on October 16, 2011, from <u>http://www.youtube.com/watch?v=oFnpm4SUF7I</u>.