# Review of Weathering & Erosion

January 7, 2015

# Today's Outline

- Using our review guide to help us! We will review...
- The difference between weathering & erosion
- · Mechanical/Physical Weathering
- · Chemical Weathering
- · Monday night's homework question
- Yesterday's Web Quest
- Practice! We'll each create a concept map relating our major points for weathering & erosion
- If we have time... play a game making use of your weathering and erosion knowledge

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# (1) Weathering vs. Erosion

- Weathering: Breakdown of rocks due to physical or chemical changes.
- **Erosion:** Weathered rock (sediments) is carried away by gravity, water, wind and ice.

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# (2) Mechanical Weathering



- Abrasion
- Particles in the wind or water rub against other rocks wearing them down creating a smoother rock

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# (2) Mechanical Weathering



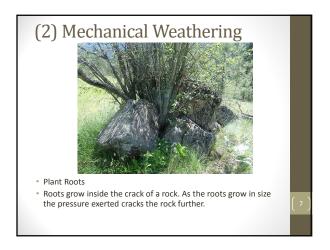
- Frost Wedging
- Water enters a crack in the rock, the water freezes and expands, widening the crack in the rock.

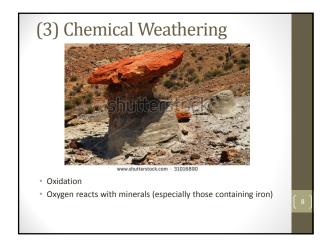
# (2) Mechanical Weathering

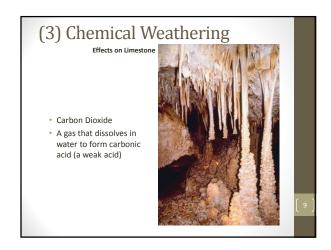


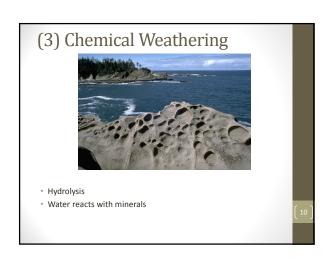
- Exfoliation
- Sheets of rock peel off a rock face

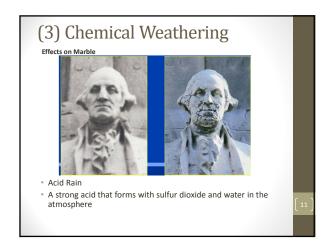
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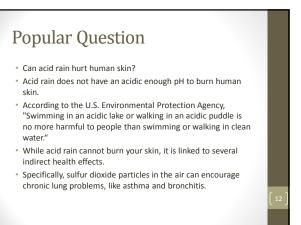


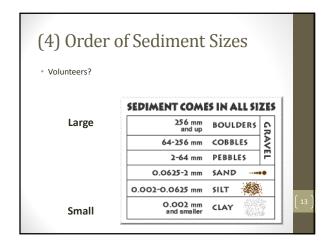


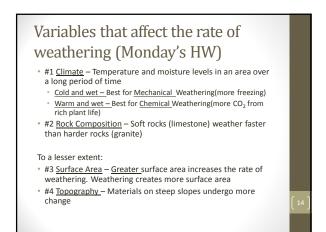


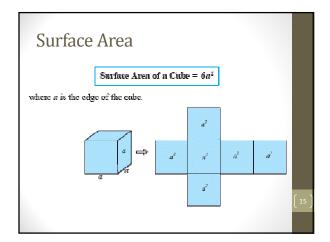


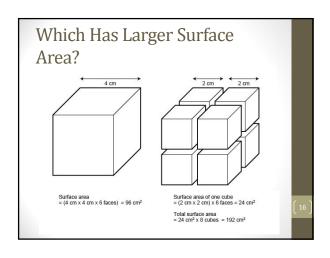


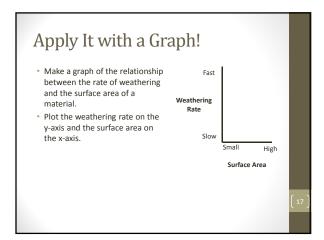




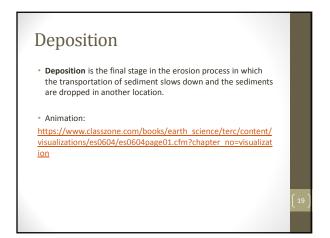


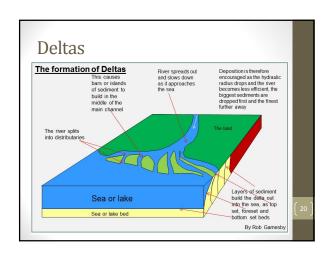


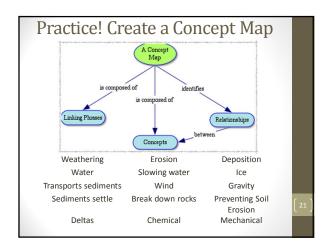


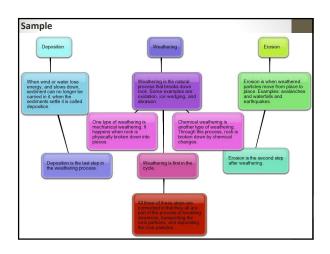


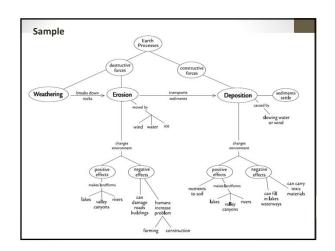












# Grudge Ball — Game Rules • Winner: Team with the most "X's" • Answer a question correctly --- remove two "X's" from the board (but not from your own team!) • May increase the number of "X's" you remove by making a shot. Score from the 2 point line, remove a total of 4 "X's." Score from the 3 point line, remove a total of 5 "X's". • Miss your shot? Still get to remove two X's. • Lose all of your X's? You can still answer questions. To earn X's back you must answer the question right and get a basket.