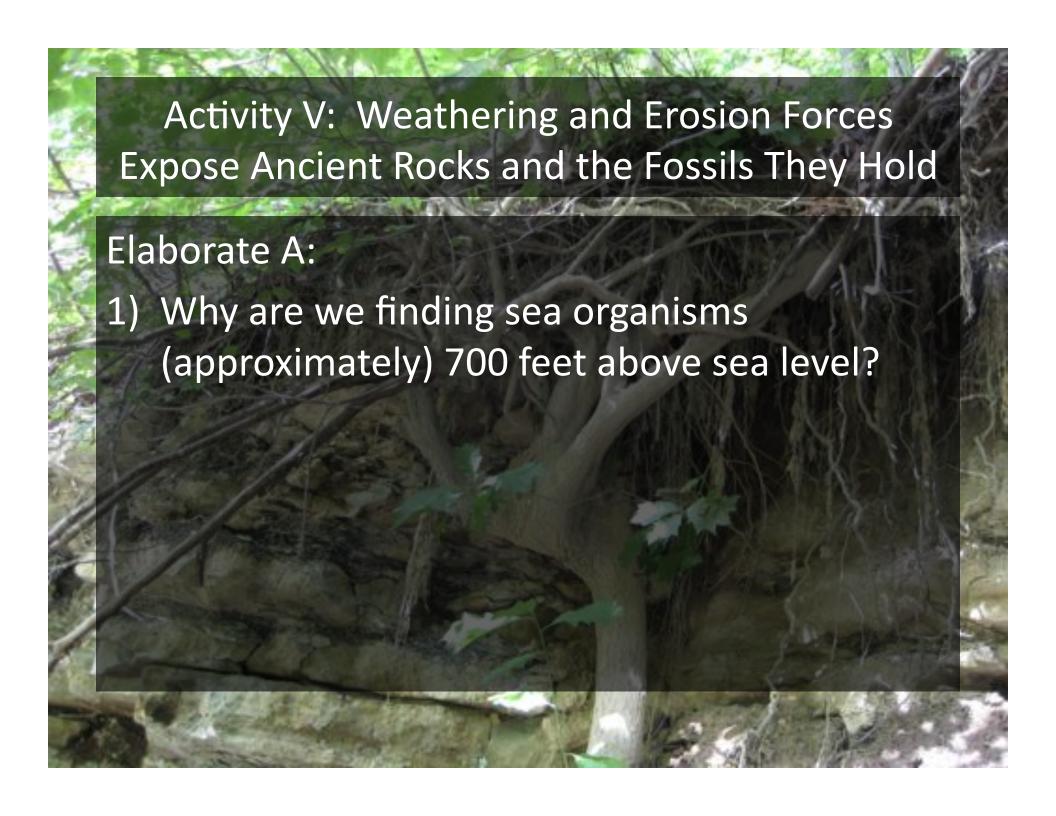
Engage:

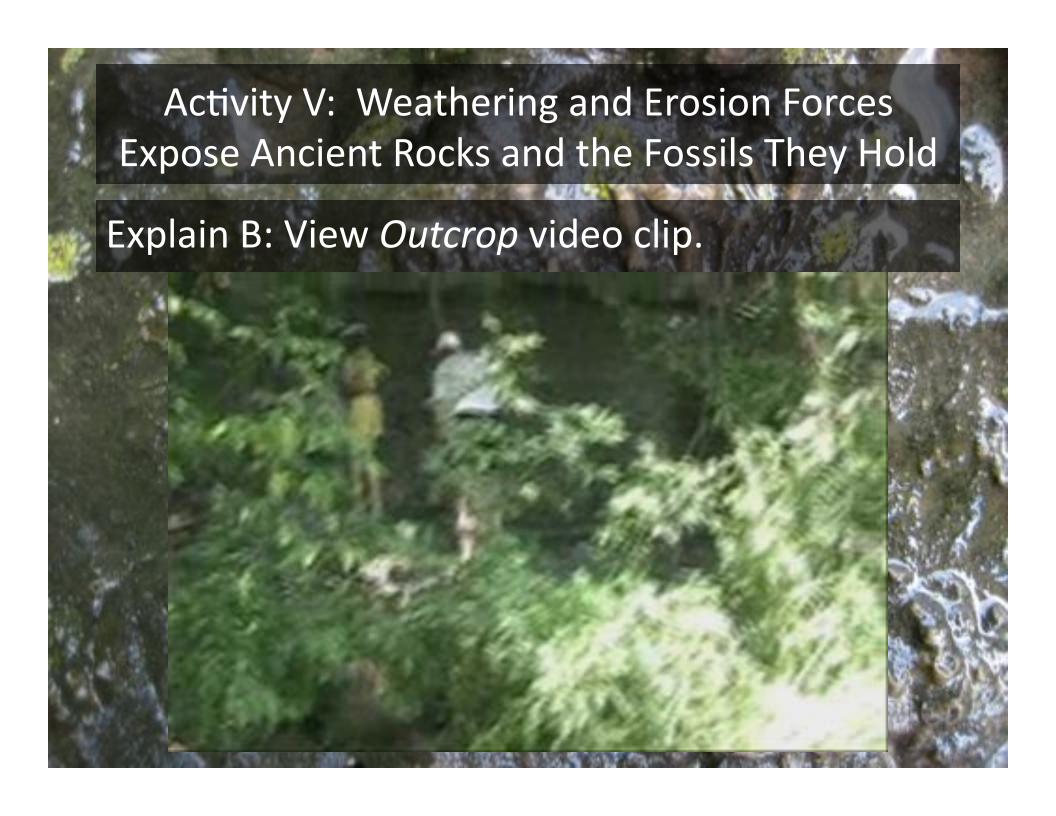
- 1) What happens to rocks and rock formations over time?
- 2) What causes this to occur?

Explore:

1) Hypothesize about what has happened to the sediments laid down in the Elma, NY area during the Mid-Late Devonian Period leading up to the conditions found in the area today. Think, pair, share.

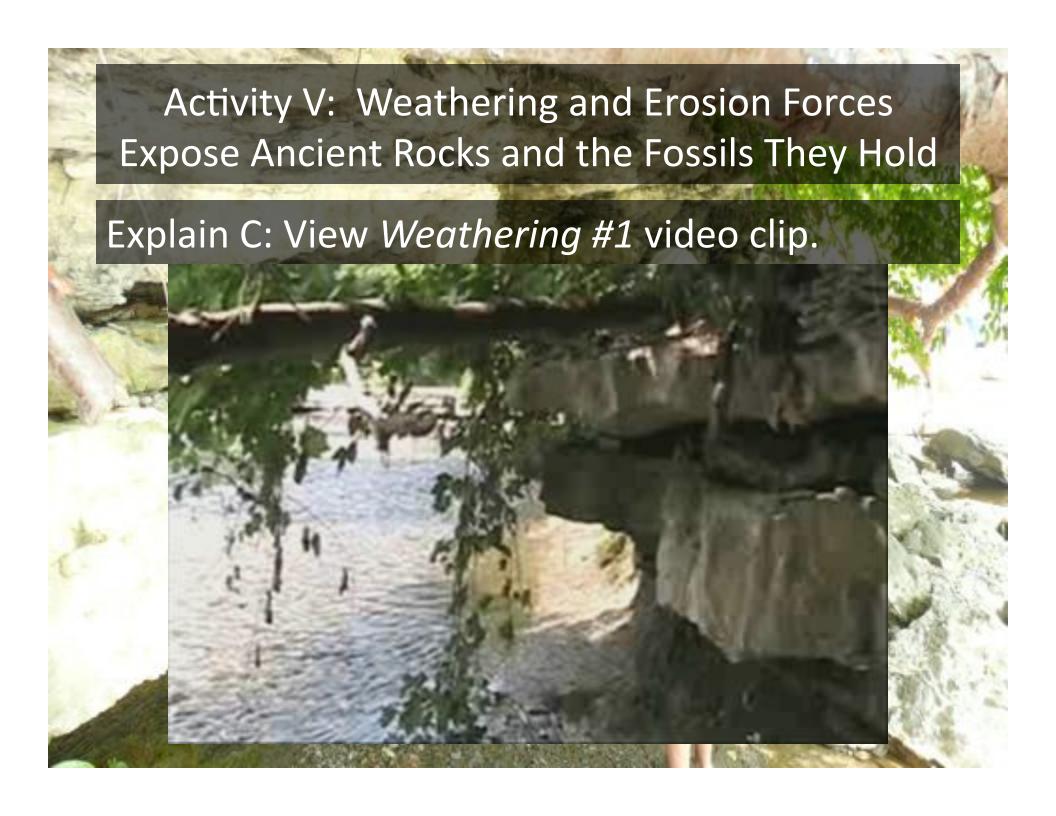






Elaborate B:

- 1) Describe the outcrop's structure.
- 2) How does its structure relate to its formation?
- 3) Define weathering.
- 4) What are the types of weathering?
- 5) How do trees and other plants cause weathering?



Elaborate C:

- 1) Describe the creek's role in the cliff formation.
- 2) Describe gravity's role in the cliff formation.
- 3) What are revealed as the cliffs erode?
- 4) What is a coral reef?
- 5) What are some organisms that live in coral reefs?
- 6) What effect do the mosses and liverworts have on the rocks?



Elaborate D:

- 1) What effects does water have on rock formations?
- 2) Relate the above effects to the video clip.
- 3) Does weathering/erosion occur at a constant rate?
- 4) What factors affect the rate of weathering and erosion of a particular rock formation?
- 5) Why has the creek bed's erosion 'slowed down' in its present state?

Evaluate:

- 1) How did weathering and erosion form the rocks we're finding these fossils in approximately 370 million years ago?
- 2) How has weathering and erosion enabled us to find the fossils we will be studying next?