

AGENDA



-Make limestone erosion video

Look at your observations of the limestone rocks from the layers in the Colorado Plateau (grand canyon):


- Do the rocks only contain calcareous ooze from plant and animals?
- What other substances do the Limestone rocks contain?


Learning target:

I can build evidence for an ancient sea by investigating the way that Limestone is formed.




Organic Process

 Remains of marine animals. Their shells and skeletons are deposited on the bottom of the ocean

 Remains of animals may also be buried in the carbonate muds and eventually turn into fossils.

Chemical Process

 A precipitate forms when carbon dioxide is exhaled by marine organisms into water containing calcium.

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I can build evidence for an ancient sea by investigating the way that Limestone is formed.



Making Limestone (organic process)

- 2 Heaping spoons of plaster of paris.
 8 Heaping spoonfulls total of one or more of the following.

- Oyster shells
- sand
- clay

5	3	61
2	3	61
1	2	11

60ml water

- 1 mixing cup
- 1 Plastic spoon
- 1 basin

Learning target: I can build evidence for an ancient sea by investigating the way that Limestone is formed.



Put your groups names on the basin and put it in your color coordinated cupboard.

Put the used basin by the sink
DO NOT WASH

Learning target:

I can build evidence for an ancient sea by investigating the way that Limestone is formed.



Weathering and Erosion video

Be ready to take notes as we watch.

What is weathering?

What causes weathering?

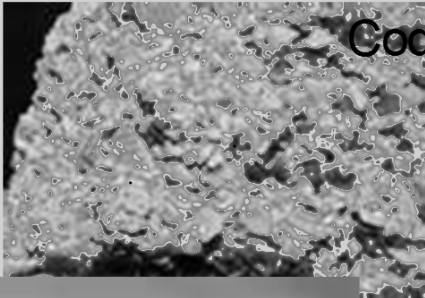
What is erosion?

What causes erosion?

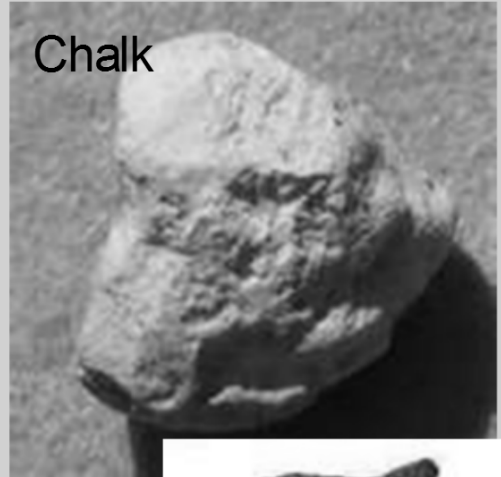
**Learning
target:**

**I can build evidence for an ancient sea by
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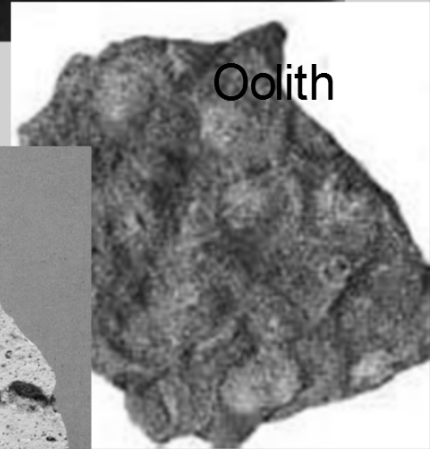
Coquina



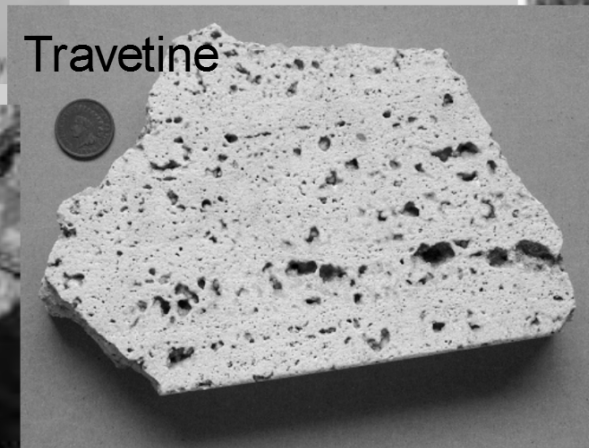
Chalk



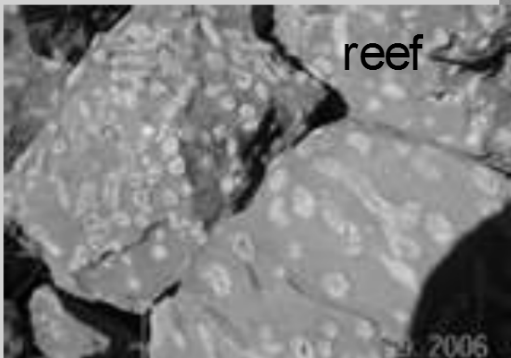
Tufa



Oolite



Travertine



reef