

ES04B -Teach About Weathering, Erosion and Soil

Use with BrishLab PS04B
Done By: Coach

[Image Link](#)

1- What is the difference between weathering and erosion?

Page 1

Para 1



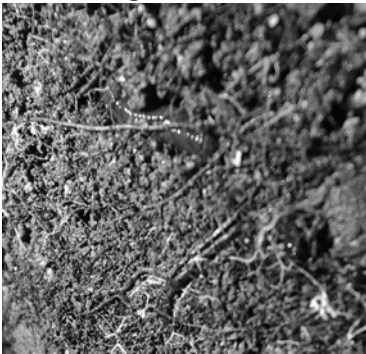
Weathering breaks down rocks - erosion is the movement - it eRODE away!

[Image Link](#)

2- Name three things that live in soil?

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Para 3



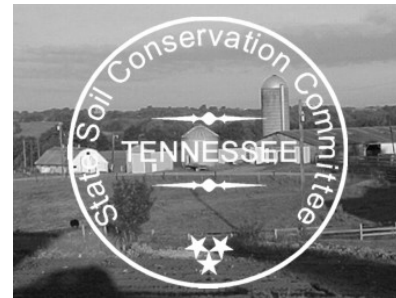
Plants, roots, ants and other animals live in soil.

[Image Link](#)

3- Why is understanding soil important?

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Para 5



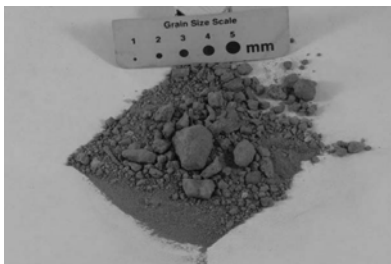
We need soil and if it is damaged, we can't grow food.

[Image Link](#)

4- How are boulders and clay related?

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Para 6



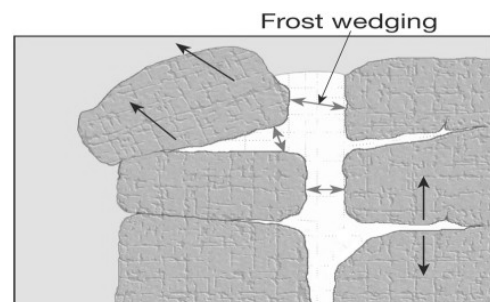
Boulders are weathered into small particles that make up clay.

[Image Link](#)

5- How does ice wedging happen?

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Para 8

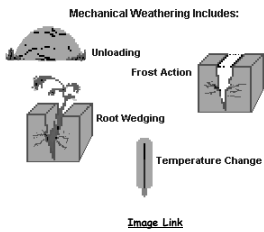


Water drips into cracks in rocks, freezes and splits the rock open.

[Image Link](#)

6- How is chemical weathering different than mechanical weathering?

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Para 11



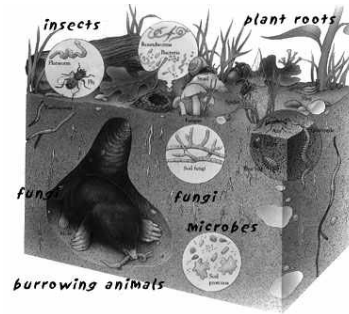
[Image Link](#)

[Image Link](#)

Chemical weathering involves a chemical reaction - new materials are made. Mechanical is simply breaking down.

7- What is found in soil?

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Para 13

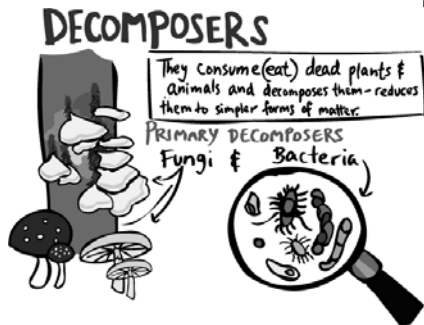


Soil has both living (organic) and non living (rocks etc) materials.

[Image Link](#)

8- Why are decomposers important in soil?

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Para 14



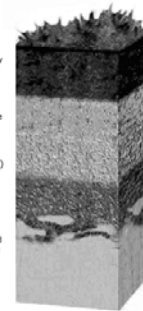
Decomposers like roots, fungi, and worms turn waste into soil.

[Image Link](#)

9- How are the three layers of soil the same?

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O horizon (loose and partly decayed organic matter)
A horizon (mineral matter mixed with some humus)
E horizon (light colored zone of leaching)
B horizon (accumulation of clay from above)
C horizon (partially altered parent material)
unweathered parent material

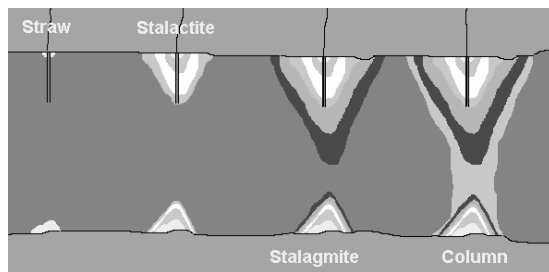


All soil is made from rock - organic materials are added nearer the top.

[Image Link](#)

10- How are stalactites made?

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Water drips through rock and deposits dissolved materials on the ceiling of caves making stalactites.

[Image Link](#)

Wrap it up: - Draw and color a cave with stalactites and stalagmites.



[Image Link](#)