

Work of Water

Mystery 4: How can you stop a landslide?

Name: _____

Date: _____

End of Mystery Assessment

1. This is a diagram of a hillside where plants are helping to stop erosion. Match the numbers on the diagram with the descriptions.

- _____ Plants hold down the soil with their roots
- _____ Leaves keep raindrops from hitting the soil
- _____ Dead plants on the ground soak up rainwater



2. A wildfire burns away all the plants on this hill!

Is a landslide more or less likely to happen now?
MORE / LESS (circle one)

Explain your thinking:

3. Reflect on the “Erosion Engineering” activity:

A. What problem were you trying to solve?

B. Which materials did you use in your design? Why did you choose these materials?

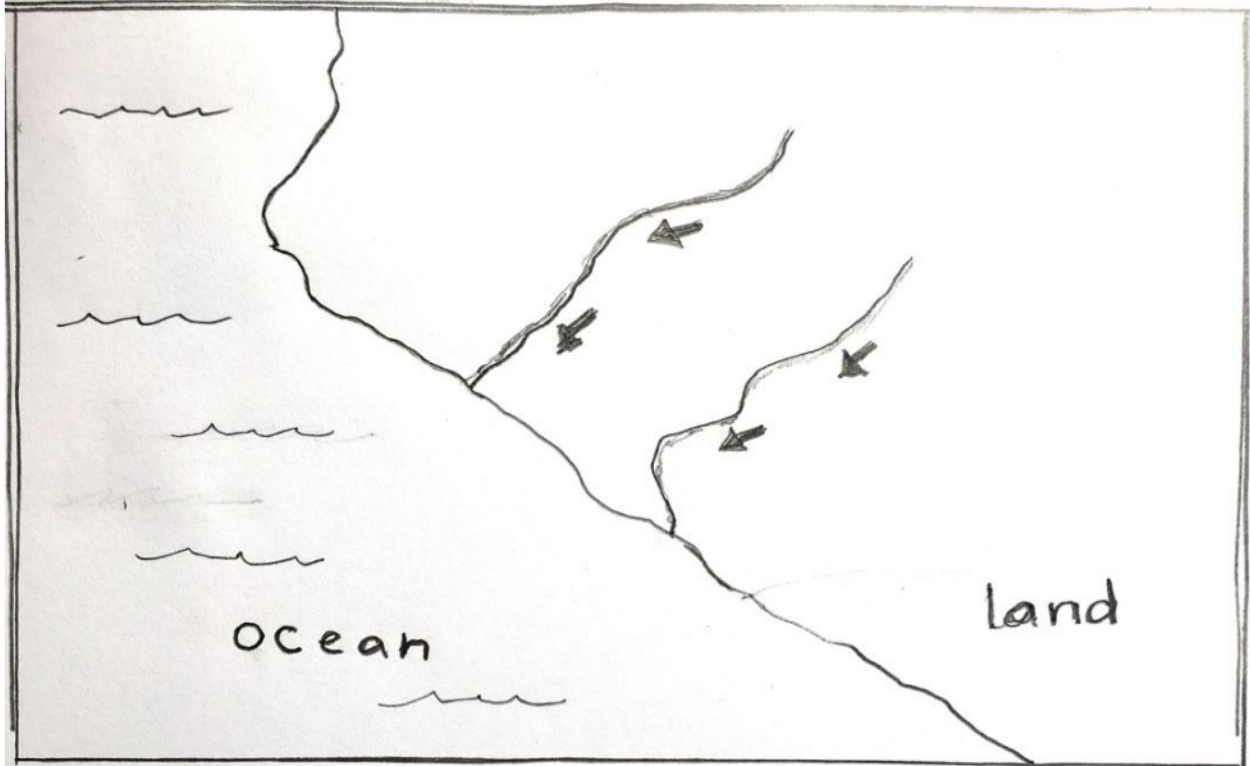
C. Which materials worked best to stop erosion? Why do you think that was?

Unit Assessment

1. If it never rained, do you think the world would look different? Explain.

2. Here is a map showing two rivers. If there are mountains, where do you think they are?

Look at this map and draw where you think there might be mountains:



Why did you put mountains there?

3. Why is there sand at the beach? Draw a picture to show your understanding.

4. Imagine a friend said to you, "Water can't be as powerful as an excavator!" Do you agree or disagree? Why?
