

Investigating Erosion

Name: _____ Date: _____

Materials needed

- Ice-cream container
- Water
- Sand
- Wooden skewer
- Wooden or hard plastic ruler
- Wooden blocks

Steps

1. Place about three centimetres of water in the bottom of your ice-cream container.
2. Add sand to one side of your container until it reaches just above the water line. Place wooden blocks on the sand to act as houses.
3. Record the height of the sand using your wooden skewer and ruler.
4. Draw a diagram of what your model looks like.
5. Record the height of the sand using your wooden skewer and ruler.

Height of the sand: _____ centimetres (cm)

Diagram of Erosion Model

6. Predict what you think will occur when you create small waves.

Predict what you think will occur when you create larger waves.

7. Use a ruler to make small waves at the other end of the ice-cream container for 10 seconds.

8. Record the height of the sand again using your wooden skewer and ruler.

After creating waves in the water the height of the sand was _____ cm.

9. Create slightly larger waves this time for another 10 seconds.

10. Record the height of the sand.

After creating larger waves in the water the height of the sand was _____ cm.

Question: What happened to the sand when larger waves were made?
