

Earth's Landforms and Changing Surface Notebook

Scientist: _____



Date: _____

Sorting Earth Materials

These materials can be sorted by _____.




Label the groups above using the words you used to describe them.

How are Earth's materials similar and different?

Properties	 Soil	 Sand
Color		
Grain Size		
Grain Shape		
Texture		
When pushed together...		

I claim soil and sand are mostly (similar / different) because ...

How does water affect Earth's land?

Earth Material	Before water added	After water added 
 Sand		
 Soil		



How does water affect Earth's land?

Did water affect our land model?

Yes

No

What is your evidence from your observations?




Did water affect sand and soil the same?

Yes

No

What is your evidence from your observations?

How does wind affect Earth's land?

Earth Material	Before wind added	After wind added 
 Sand		
 Soil		



How does wind affect Earth's land?

Did wind affect our land model? Yes No

What is your evidence from your observations?

Did wind affect the land more or less than water? More Less

What is your evidence from your observations?

Three Things I learned from our introduction to Plum Island



1.

2.































3.

I wonder....

Modeling ways to slow down changes to Plum Island

Sea Walls = Popsicle sticks	Sandbags = Cotton balls	Dune Grass = Sponges
		
<p>How are these materials similar?</p>	<p>How are these materials similar?</p>	<p>How are these materials similar?</p>

How can we slow down changes to Plum Island?

Sea Walls	Sandbags	Dune Grass
<p>How much sand was moved by the water?</p> <div>      </div> <div> <p>none some a lot</p> </div>	<p>How much sand was moved by the water?</p> <div>      </div> <div> <p>none some a lot</p> </div>	<p>How much sand was moved by the water?</p> <div>      </div> <div> <p>none some a lot</p> </div>
<p>How well did the seawall stay in place?</p> <div>      </div> <div> <p>well OK not well</p> </div>	<p>How well did the sandbags stay in place?</p> <div>      </div> <div> <p>well OK not well</p> </div>	<p>How well did the dunegrass stay in place?</p> <div>      </div> <div> <p>well OK not well</p> </div>

I claim the _____ was the best material for slowing changes to the land because...

I claim the _____ did not slow changes to the land well because...