

Candy Bar Core Drilling

Name: _____

Phenomenon: The Daisy Bradford No. 3

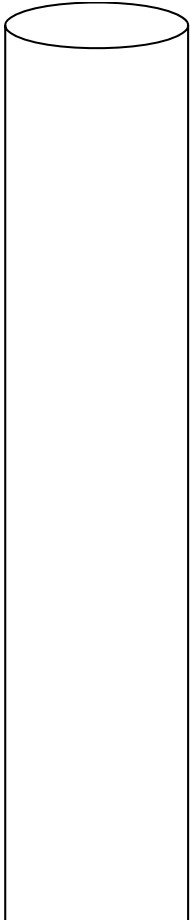
After experiencing the phenomenon, record three observations about what occurred.	
Draw or explain what you think is causing this phenomenon.	
Ask three questions about what is causing the phenomenon.	

Photo Box

As you watch the slideshow, list all of the events that you think are being shown by the photos in the order in which they occurred.	
Most Recent Event	
Oldest Event	
What assumptions did you make?	

Explain how this relates to rock layers.

Build-a-Rock

Draw your rock here.	What substance did you use for this rock layer?	What rock type does it represent?	Why did you choose this substance to represent this rock?	Draw a picture of what the land would have looked like while this rock was being created.
				

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Candy bar Drilling

Carefully drill into your candy bar using the straw. Draw the layers in the straw in the space below.

Draw the layers of your sample.	Thickness	Texture	Other Observations: what is it made of?

Which layers of your candy bar were made first?	
What kind of candy bar do you think you have?	
What is your evidence that it is this candy bar?	
How does your candy bar sample compare to the rocks in the picture you have been given?	

Wildcat Oil Drilling - Game Card

Group Number: _____

Core #	Name of your well:	
Draw the layers in this core.	Describe the layers you see.	Total millimeters of oil bearing rock.

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Draw the layers in this core.	Describe the layers you see.	Total millimeters of oil bearing rock.

Additional Materials

Build-a-Rock Key

Type of rock	Material used to represent this rock.	Environment where this rock is deposited.
Sandstone		Beaches
Limestone		Deep oceans
Mudstone		Tidal Flat
Shale		Continental shelf
Coal		Ancient swamps
Coquina or fossiliferous limestone		Beaches or coral reefs
Cross-bedded sandstone		Ancient sand dunes
Conglomerate		Base of mountain ranges
Salt		Evaporated water such as restricted lakes, bays or lagoons
Freshwater limestone		Lakes
Freshwater shale		Lakes