

The Many Uses of Petroleum

Name: _____

Phenomenon: Casein

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

What are three properties of the substance you created?	
Based on its properties, what are some ways you think this substance could be used?	
What other things does this substance remind you of?	
What is this substance called?	

Natural or Synthetic?

Decide whether each of the items below are natural or synthetic . Put an “ N ” in front of the natural items and an “ S ” in front of the ones that are synthetic.		
Wood Plastic Milk Jug Aspirin Wax	Glass Aluminum Can Cotton Copper wiring	Wool Gasoline Vinyl Sugar

Silk	Nylon guitar strings	Cardboard
Identify one more Natural substance that is not in the list above.		
Identify one more synthetic substance that is not in the list above.		

What is a natural substance?	
What is a synthetic substance?	

Choose five items from the list above. Use the internet to answer the questions below about each one.

Name of substance	Where does it come from?	Natural or synthetic?

Petroleum and Its Uses

What are some properties of crude oil (petroleum)?	
How can we use oil based on these properties?	
Research how natural crude oil is processed to make synthetic substances that we use in our lives. Describe that process here.	
Name some items that are created from crude oil.	

Return to the Phenomenon

How is the milk like petroleum?	
Is casein a natural or synthetic product?	