

The Many Uses of Petroleum

Name: _____

Phenomenon: Casein

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| 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. | |
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| 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?

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| 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 Silk | Glass Aluminum Can Cotton Copper wiring Nylon guitar strings |
| Wool Gasoline Vinyl Sugar Cardboard | |
| Identify one more Natural | |

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| substance that is not in the list above. | |
| Identify one more synthetic substance that is not in the list above. | |

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| 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? |
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Petroleum and Its Uses

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| 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

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