

OIL SPILL FOCUS QUESTIONS

Name _____ Date _____

1. Name two ways that oil spills happen.

2. What type of equipment works best to trap the oil?

3. What type of equipment works best to soak up the oil?

4. How does local environment affect the kinds of equipment needed to respond to an oil spill?

OIL SPILL CLEAN-UP ACTIVITY

- 1. How do you think oil will interact with the coastline and the plants and animals that live there? Write a hypothesis, an educated guess.

- 2. Which materials do you think will work best to clean up the oil? Write a hypothesis.

- 3. Describe what happened. Were your hypotheses accurate?

- 4. Were you able to stay within your budget?

- 5. Write a conclusion about your experience cleaning up an oil spill with your funds and equipment.

OIL SPILL VOCABULARY

Name: _____ Date: _____

Directions: Match the definition with the correct vocabulary word by placing the number on the line before the word.

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| 1. | Used to contain oil for skimming or burning or to prevent it from reaching an area such as the shoreline | _____ emulsification |
| 2. | Mixture of hydrocarbons that can be separated into gasoline, natural gas, fuel oil and other products | _____ dispersant |
| 3. | Chemical method used to gather oil together | _____ oleophilic |
| 4. | Use of bacteria to eat oil | _____ mechanical containment |
| 5. | Use of materials that react with oil to contain or dilute the spilled oil | _____ mousse |
| 6. | Forms a mixture of small droplets of oil and water | _____ bioremediation |
| 7. | Suction devices used to collect oil | _____ boom |
| 8. | Used to break oil into small droplets in the water column | _____ solidifier |
| 9. | Used to soak up oil | _____ petroleum |
| 10. | Having a strong affinity for water; water-loving | _____ chemical containment |
| 11. | Once oil is exposed to the environment, it begins to undergo this process | _____ absorbent |
| 12. | Method using booms and skimmers to gather, store, and dispose of oil | _____ oil weathering |
| 13. | Formed when wave action causes water to be trapped inside viscous oil | _____ skimmer |
| 14. | Cause oil to form a rubber-like solid that is easy to remove from the water's surface | _____ hydrophilic |
| 15. | Having a strong affinity for oils; oil-loving | _____ herder |