**OIL SPILL FOCUS QUESTIONS**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Name two ways that oil spills happen.

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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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

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**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.

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

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3. Describe what happened. Were your hypotheses accurate? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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4. Were you able to stay within your budget?

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

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**OIL SPILL VOCABULARY**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

1. Used to contain oil for skimming or burning or to \_\_\_\_\_ **emulsification**

prevent it from reaching an area such as the shoreline

2. Mixture of hydrocarbons that can be separated into \_\_\_\_\_ **dispersant**

gasoline, natural gas, fuel oil and other products

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 \_\_\_\_\_ **mousse**

dilute the spilled oil

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 \_\_\_\_\_ **solidifier**

column

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 \_\_\_\_\_ **absorbent**

undergo this process

12. Method using booms and skimmers to gather, store, \_\_\_\_\_ **oil weathering**

and dispose of oil

13. Formed when wave action causes water to be trapped \_\_\_\_\_ **skimmer**

inside viscous oil

14. Cause oil to form a rubber-like solid that is easy to remove \_\_\_\_\_ **hydrophilic**

from the water’s surface

15. Having a strong affinity for oils; oil-loving \_\_\_\_\_ **herder**