

Oil Spill In A Pan Clean Up Worksheet

Name _____ Date _____

Oil Spill Clean-up

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

2. What parts of the coastline do you think are most important to try to protect to ensure a healthy ecosystem?

3. List at least three ways that humans use this type of coastal ecosystem. Consider cultural, economic, social, recreational, and spiritual uses.

4. Which materials do you think will work best to clean up the oil? Write a hypothesis, an educated guess.

5. Describe what happened. Were your hypotheses accurate?

6. Were you able to stay within your budget?

7. Were you able to successfully clean up all the oil? If yes, what techniques were most effective? If not, which parts of the ecosystem do you think were most affected by the oil?

8. Do you think your clean up efforts harmed any parts of the ecosystem? Please explain why or why not.

9. After your clean up efforts, which human uses of the ecosystem were preserved? Which human uses of the ecosystem were affected?

10. Write a conclusion about your experience cleaning up a mock oil spill given the constraints you were given and the priorities you set:

11. Evaluate your clean up solution and compare it to a solution presented by another group. Consider how well each solution:

- Stayed within financial constraints, given the costs of materials and disposal as well as human labor
- Created an effective solution that removes most, if not all, of the oil
- Minimized the negative impact on the environment
- Minimized the negative impact on human economies, cultures, and social practices that depend on that shoreline environment
