Name: _____ **Date:** _____

Oil Spill Cleanup Activity – Oil Spill Worksheet

Hypothesis

Will skimming, using the absorbing pad, or dispersing the oil be the best method for cleanup? Explain why you think this:

_____

_____

_____

Oil Spill Cleanup

What volume percent of the liquid you skimmed into your test tube is oil? (show a ratio value if you have it) _____

How did you arrive at this answer? _____

_____

Prepare two vertical bar graphs: one to compare the effectiveness of oil spill clean up methods and another to compare the cost of each oil spill clean-up method based on the perspective of an environmental engineering *and* an oil company owner.

Assume you are the Environmental Engineer
(H = high, M = Medium, L = Low)

	Effectiveness (cleanliness)	Cost
Skimming:	_____	_____
Absorbing:	_____	_____
Dispersants:	_____	_____

Assume you are the Oil Company Owner
(H = high, M = Medium, L = Low)

	Effectiveness (cleanliness)	Cost
Skimming:	_____	_____
Absorbing:	_____	_____
Dispersants:	_____	_____

Name: _____ **Date:** _____

Below, prepare a vertical bar chart to compare your answers (H, M, L) of the effectiveness of each cleanup method (skimming, absorbing, dispersing) from the perspective each of an environmental engineer and an oil company owner.

Below, prepare a vertical bar chart to compare your answers (H, M, L) of the cost of cleanup for each of the three methods (skimming, absorbing, dispersing) from the perspective each of an environmental engineer and an oil company owner.

Name: _____ **Date:** _____

Did you prove or disprove your hypothesis based on your findings in the experiment? Tell why.

_____

_____

_____

_____

Please tell what you learned today from this experiment:

_____

_____

_____

_____

_____

_____

_____

_____

_____