

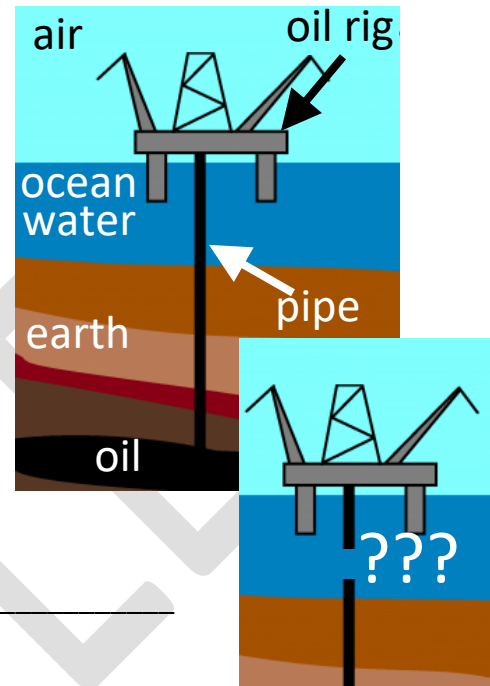
Name: _____ Date: _____

You're Oil I Need

Oil rigs that float on top of the water are found in many oceans around the world. There are thousands of them in the Gulf of Mexico. In this investigation you will make a model of an oil rig and gather evidence to answer the question

What happens if the pipe on an oil rig breaks?

Make a prediction:



Explain: What is the reasoning for your prediction? Why do you think this will happen?

Materials

water
small cup (2-3 oz)
tray

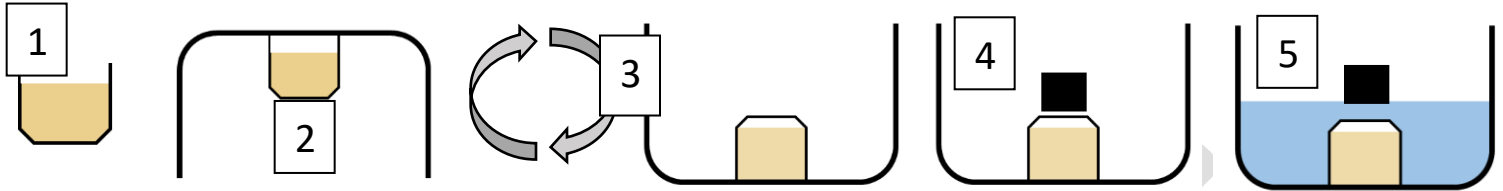
oil (25-50 ml)
small weight
dish soap (to clean containers after)

flat-bottomed container
fork or spoon



Set up

- 1) Pour the oil into the small cup.
- 2) Place the container upside down over the top of the small cup.
- 3) Flip the container and cup **together** so the container is the right way up and the cup is upside down.
You have made an oil well!
- 4) Put the weight on top of the cup.
- 5) CAREFULLY fill the container with water until it is half-way full.



Observations: What did you observe in the model?

You may write a description or draw a diagram

Explain: What happens if the pipe on an oil rig breaks?

Support your answer using scientific principles and/or observations from your model.
