Unit 8 Class Work

NAME 3/20/14

#### 8.4 ThinkReady

**SPARK** (take out 8.3 HW sheet!)

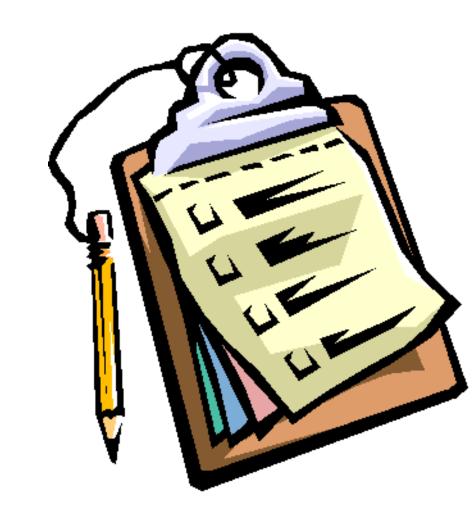
- 1. What is an independent variable? We have come? we observe record/result
- 3. Why are oil spills a problem?

toxic to animals, contaminates with Objective WIAR POINT

SWBAT understand the ThinkReady assignment and begin devising a procedure

# Agenda:

- SPARK/Objective
- ThinkReady task
- Homework



## ThinkReady Task

Let's read through the task together

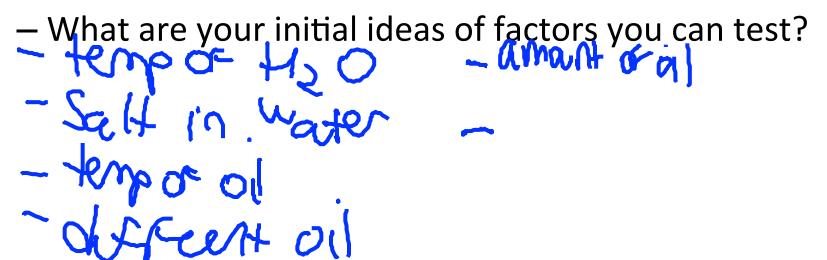
## ThinkReady Task

- In this task, you will investigate the factors that affect the spread of oil in a body of water. You will develop an experiment to investigate the influence of one or more factors on an oil spread. This task asks you to model an oil spill and investigate one or more of your selected variables. You will research relevant information by using your knowledge of properties of matter and bonding
- KEY: Make sure you record all the thinking, justification and explanations for the work you do.

Objective: SWBAT understand the ThinkReady assignment and begin devising a procedure

## Hypothesize

- Begin your hypothesize section on a sheet of loose leaf (name on the back) and answer the following:
  - What is this task asking you to do?



Objective: SWBAT understand the ThinkReady assignment and begin devising a procedure

#### **Quick Note**

- In this task, you are carrying out an investigation and writing a lab report on your findings. Your lab report should be based off of the labs we have been doing in Unit 8.
- Testable Question: What is the effect of IV on DV?
- Hypothesis: If, then, because
- Include clear tables and graphs
- In your final report, procedure should be PAST tense
- Conclusion explains all reasoning

#### Strategize

 Explain your plan to gather information and your steps to complete the project.

## Identify – homework for tonight!

 Plan the observations and/or experiments you will need to test your hypothesis or hypotheses. (you may need to do some research to complete this section!)

#### Supplies I Have

- Vegetable Oil
- Pie tins
- Foil trays
- Rulers
- Pipets
- You can bring your own materials!

#### COLLECT = run the experiment!

 You will collect and record your information in an organized way. Make sure you record it in a way that will help you analyze it later.

#### HOMEWORK

Finalize the procedure!