

# He/she sleeps with the fishes...in the dark?

You are the owner of a fishing lure company. You make many types; shiny, spinning, some with feathers, some that look like worms...lots. You are trying to create a prototype that uses the same chemicals used in glow sticks to use in areas of low light or at night. You have determined that fish are attracted to bright lights and are trying to decide whether to market these lures to fisherman on the east coast or the west coast. The water on the east coast is very warm, averaging about 80° F or 26.7°C and the water on the west coast is much cooler, averaging about 50° F or 10 C°.

Now that you have the background information, it's your turn. You need to design a lab to determine who you will market the fishing lures to.

## Material

Warm water              Cool water  
Two cups                2 glow sticks

In your lab books you need to write your problem statement, a hypothesis, materials list, results, and conclusion.

The Problem statement is a question that you will attempt to answer with your hypothesis.

Your hypothesis needs to be in an *If...then* format. (Ex. If I water a plant twice as much as normal, then it will grow twice as fast.)

Your results will be your data including a simple data table and an explanation about what it means.

Temp.	Brightness

Your conclusion will sum up your experiment and state whether your hypothesis was supported or not.

Name
Date
Period
<u>Title:</u> He/she sleeps with the fishes...in the dark?
<u>Problem statement:</u>
<u>Hypothesis:</u>
<u>Materials list:</u>
<u>Results:</u>
<u>Conclusion:</u>

← This is an example of how you need to set your lab report. Make sure you each get it done. Completing the lab is expected, but your grade will come solely from the lab report. Also, do not write on the back of the page in your composition book.