

### Gallery Entry

Look at the specimen jars. List one that you find interesting and explain why:

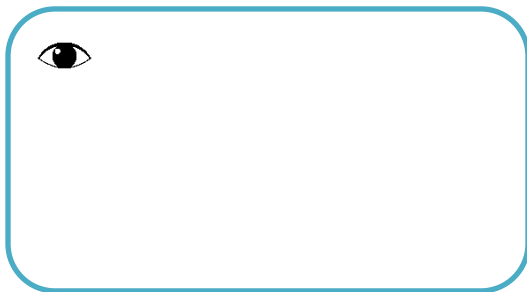
### What are the four main fields of oceanography?

_____	_____
_____	_____

### Biological Oceanography

Use the video microscope to explore the specimens. On the left, draw your favorite specimen as you see it with your eyes. Use the microscope to zoom in on an interesting feature, and draw what you see on the right.

*SPECIES:* \_\_\_\_\_



### Chemical Oceanography

Trace Elements: What composition did you find (% each color)? How did it compare to the rest of today's data?

### Geological Oceanography

Would you rather use a corer or grab to collect seafloor sediment? Why?

## Physical Oceanography

Play the Ocean Currents interactive game. Write one thing you learned.

## The Bizarre Depths

Choose a depth and describe what is happening biologically, chemically, geologically, and physically.

## Instruments & Inventions

What is the name of an instrument that measures temperature?

Find the mooring (on the corner). What is its anchor?

Describe or draw another instrument you thought was interesting:



## Seeing with Sound

Draw your seafloor model and its sonar profile.



Does the sonar see your seafloor exactly? What does it miss? Why do you think that might be? Discuss it with a partner

## Ships of Opportunity

Name previous Alaskan research vessels.

How long did designing and constructing the Sikuliaq take?

Send a message in a bottle. What do you wonder about the ocean?