



Field Investigations Fifth Grade

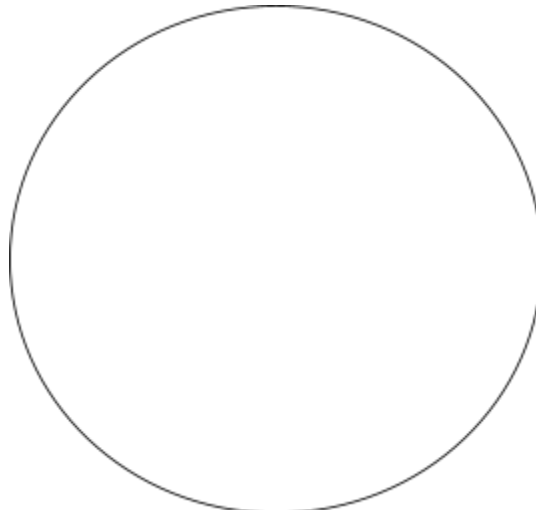
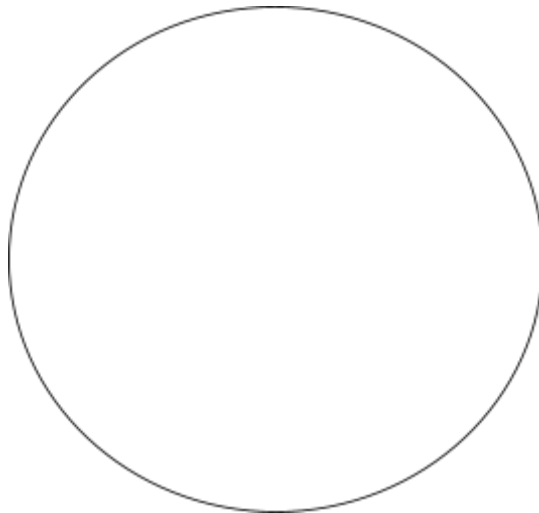


Microscopy

Look through the microscope and at the pictures of microscopic organisms at your station. What do you see? _____

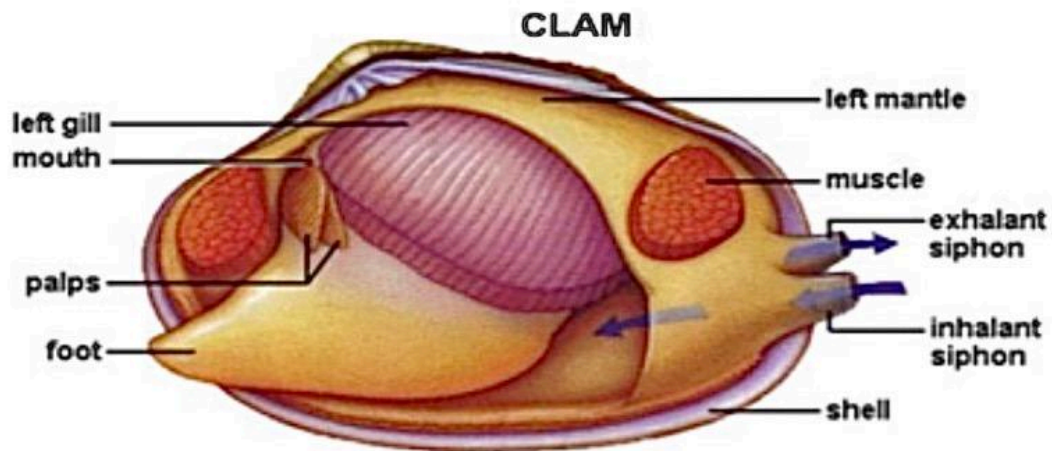
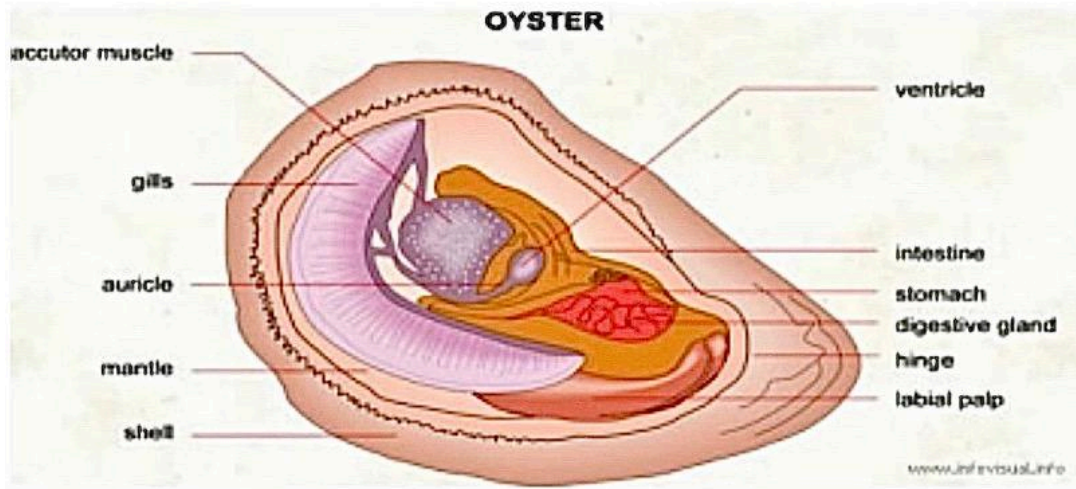
Connection: What microscopic organisms might an oyster eat? _____

In the circles below draw the organisms you observe under the microscopes.



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Oyster Anatomy and Observation

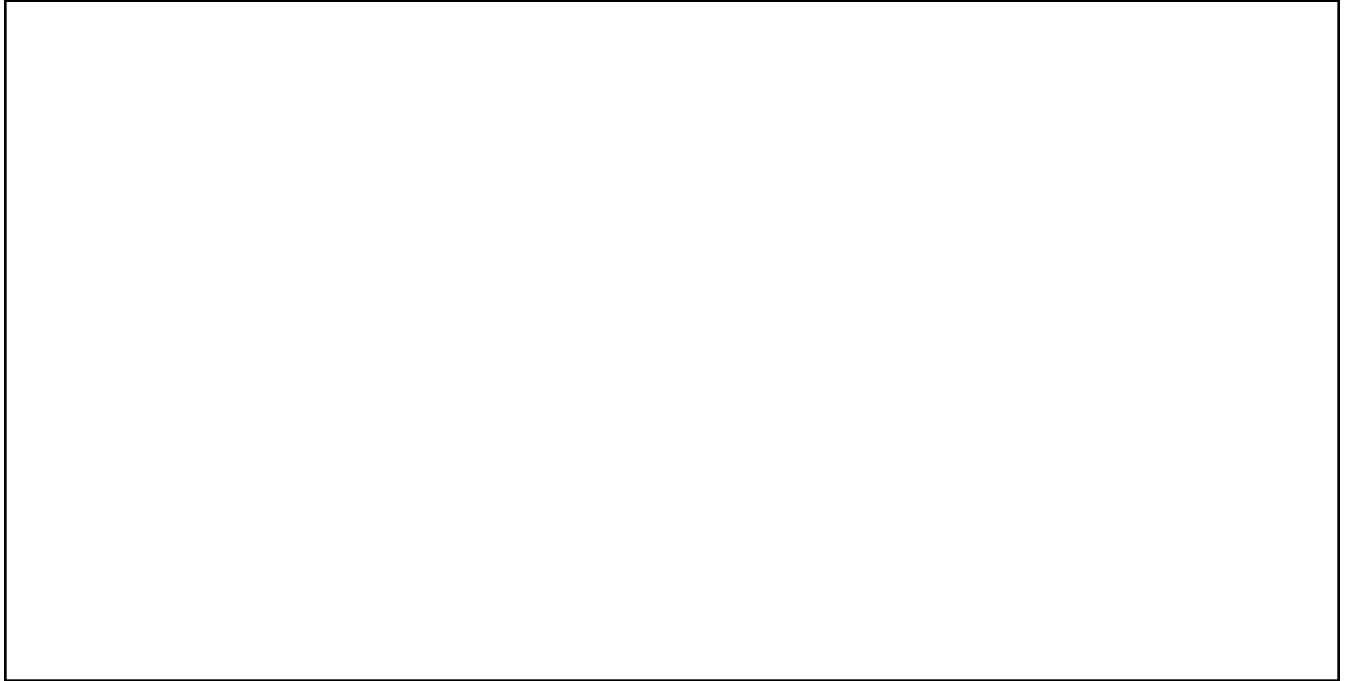


- Gills – breathing and filtering. Beating cilia move water across the gills
- Mantle – membrane that secretes calcium carbonate, which forms the shell
- Tentacles – sensory organ, feels things
- Hinge – part of the oyster that allows it to open and close
- Adductor Muscle – closes shell
- Heart – pumps oxygen and nutrients to other parts of the body
- Labial Palps – sorts food (like fingers)

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Clam Dissection

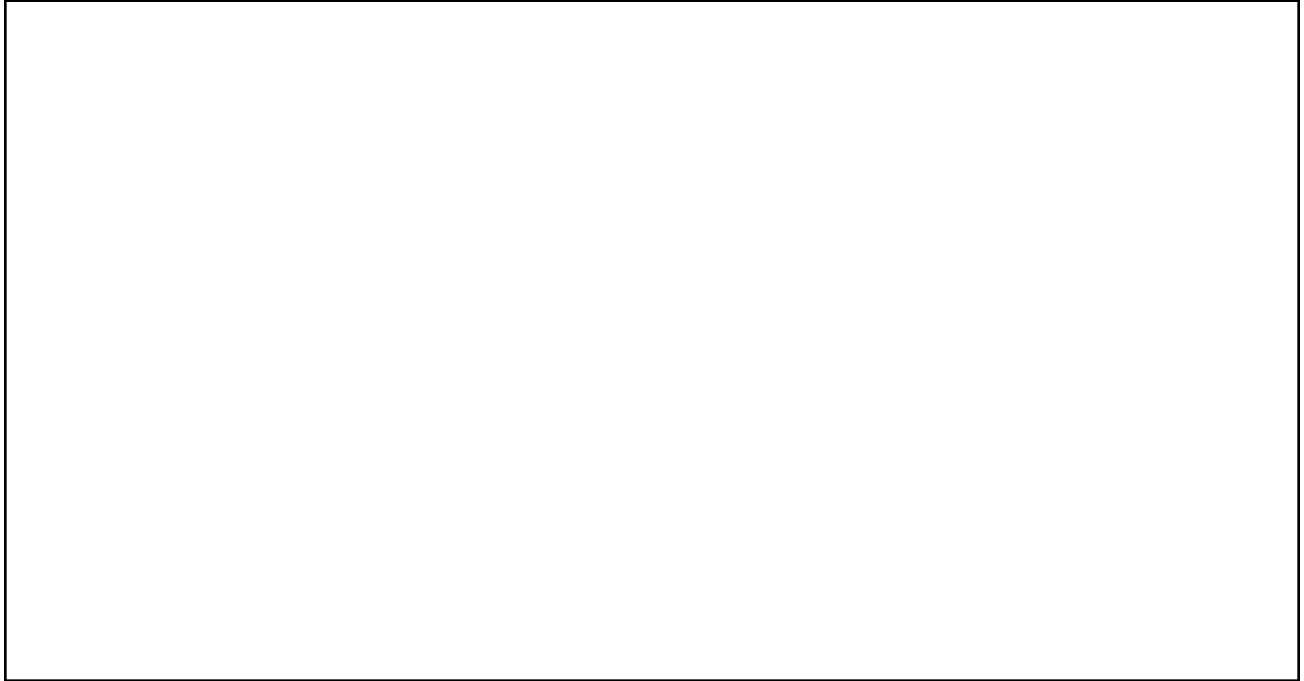
In the box, make a scientific drawing. Find and label at least 3 body parts.



Drawing 1: Explain what you drew and make some observations about what you see in your dissection

Oyster Dissection

In the box, make a scientific drawing. Find and label at least 3 body parts.



Drawing 2: Explain what you drew and make some observations about what you see in your dissection

Marine Food and Resources

Your Ocean Menu:



Oysters



Fish



Crab



Ice Cream

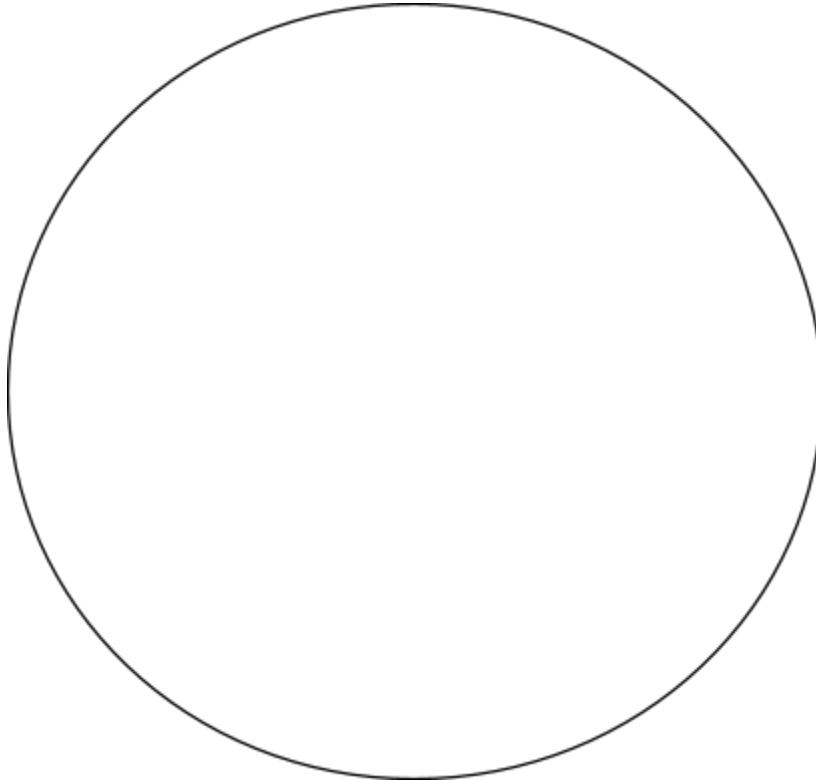


Sea Vegetables



Sushi

Can you draw and label a meal with at least three marine foods chosen from the menu above, or from the resources on the table?



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Birch Bay State Park Clam Survey Data

Date:

Researchers:

Hint: It helps if you have roles in your groups! One or two people can look in the hole for clams, one or two can identify clams, and one or two people can record clam number/size.

Clams are considered “large” if they are bigger than 1.5 inches and do not fit through the clam ring.

Type of Clam	Hole #	Hole #	Hole #	Hole #
Large Varnish				
Small Varnish				
Large Littleneck (Native/Manila)				
Small Littleneck (Native/Manila)				
Large Butter				
Small Butter				
Large Cockle				
Small Cockle				
Large Eastern Softshell				
Small Eastern Softshell				
Large Macoma				
Small Macoma				
Other:				
Other:				

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