NAME:_____

North Chuckanut Bay Field Trip

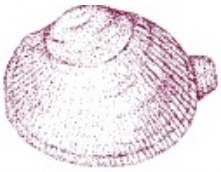
Beachfront Scavenger Hunt!

Try to find five these different kinds of clam shells:

1. Native Little Neck Clam ☐
2. Manilla Clam ☐
3. Varnish Clam ☐
4. Butter Clam ☐
5. Cockle Clam ☐

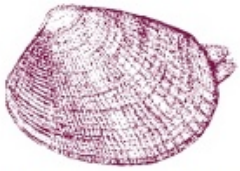
Did you find any other animals? If so, what were they?

Do you think its important to preserve these creatures? Why or why not?



Native littleneck clam
Leukoma staminea

Average size is 1-2", up to 2½". Rounded shell has concentric and radiating lines. Siphon tips are fused. Found 6-10" below surface.

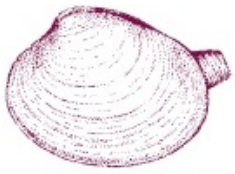


Manila littleneck clam
Venerupis philippinarum

Average size is 1-2", up to 2½". Oblong shell has concentric and radiating lines. May have colored, patterned shells. Siphon tips are split. Found to 4" below surface.

Varnish clam
Nuttallia obscurata

Up to 3", with shiny brown coating on the outside, purple on the inside of shell.



Butter clam
Saxidomus giganteus

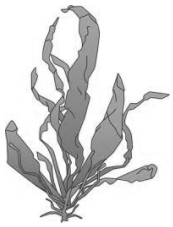
Average size is 3-4", up to 6". Shells have no radiating ridges and are usually chalky-white. The siphon can be pulled into its shell. Usually found 12-18" below surface.

Cockle clam
Clinocardium nuttallii

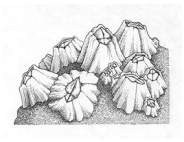
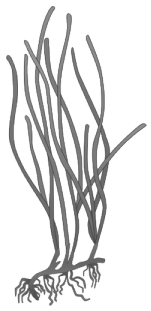
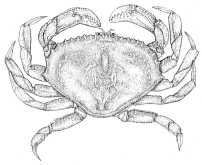
Prominent, evenly-spaced ridges which fan out from the hinge. Mottled, light brown. Can grow to 5". Found just below surface.

Low Tide Food Web Hunt

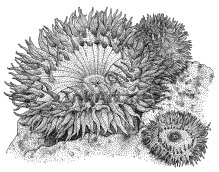
Search along the intertidal zone to **find** the animals and plants below; once you have found one, **draw a solid line** to connect them to what they eat or what eats them to create a food web of the nearshore ecosystem. If you **didn't find** a plant or animal on this work sheet **draw a dotted line** to connect them into the food web. Find something not on the food web already? **Draw it in** and connect it to other plants and animals with a **solid line**.

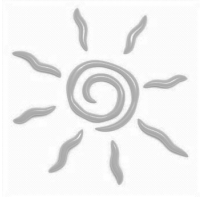





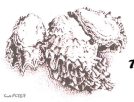




Food Web Foundations:

Draw your own marine food web including shellfish in the box. Use lines with arrows to show what eats whom.



Marine Field Notes

Observe an organism that you find in the intertidal zone.

Researcher:_____ Time: _____ Date: _____

Location (be specific): _____

Organism: _____ Scientific Name:_____

Description (size in CM, color, other unique features): Field Sketch

_____

_____

_____

_____

Observations: _____

_____

_____

Researcher:_____ Time: _____ Date: _____

Location (be specific): _____

Organism: _____ Scientific Name:_____

Description (size in CM, color, other unique features): Field Sketch

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Observations: _____

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Marine Field Notes

Researcher:_____ Time: _____ Date: _____

Location (be specific): _____

Organism: _____ Scientific Name:_____

Description (size in CM, color, other unique features): Field Sketch

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Observations: _____

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Researcher:_____ Time: _____ Date: _____

Location (be specific): _____

Organism: _____ Scientific Name:_____

Description (size in CM, color, other unique features): Field Sketch

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Observations: _____

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Post Day 4: North Chuckanut Bay Field Trip

Field Investigation Reflection Questions

Why is having all of the microscopic **phytoplankton** and **zooplankton** in the water important?

_____

_____

_____

What would happen to the food web if there were too many river otters and gulls, but not enough shellfish?

_____

_____

_____

Name 3 plants or animals that rely on the intertidal zone to live. (Did you know salmon also live in the intertidal zone for part of their life cycle?)

1._____

2._____

3._____

What are three things you learned while on this field trip:

1._____

_____

2._____

_____

3._____

_____