


Invertebrates Live!

Name: _____

Watch the video from **Bamfield Marine Science Centre, BMSC**, on the following link, to complete this worksheet.

https://www.youtube.com/watch?v=E1CU1_zFUkA

1.	3 min	 <p>BRITISH COLUMBIA</p> <p>Have you ever been to Tofino? Locate it on the map.</p> <p>How about Bamfield?</p> <p>Bamfield is across an inlet called “Barkley Sound” from Tofino. Locate it on the map. Bamfield is only accessible by a logging road from Port Alberni...or from the West Coast Trail!, if you are hiking.</p>
2.	5 min	<p>What happens when the sponge is “fed” the fluorescent dye....?</p> <p>....what is the scientific name of the “long tails” used to create water currents?</p> <p>...what is the name of the “structure” where we see the dye exit the sponge?</p>
3.	7 min	<p>What do you do if you are stung by a jellyfish?</p>
4.	9 min	<p>Why is “manus” a good nickname for the opening in an anemone? LOL, its not really called a “manus”</p>
5.	11:45	<p>Name some “Tasty” molluscs.</p> <p>How about some “untasty” molluscs. (Taste is a matter of opinion.)</p>
6.	12 min	<p>OMG! Look at the nudibranchs! They are Awesome!</p> <p>What are the feathery parts on the outside of the nudibranch? What is their function?</p>
7.	13 min	<p>What do nudibranchs eat? How does this contribute to their beautiful colours?</p>

8.	13:30	<p>What mollusc class do Limpets likely belong to?</p> <p>HINT: The “raspy tongue” is called a radula; slugs and snails have a radula also.</p>
9.	16 min	<p>What phylum do “tube worms” belong to?</p> <p>What common member of this phylum did we study/dissect?</p> <p>What is the “feather duster” on the top of the tube worm used for?</p>
10.	18:45	<p>What unusual representative of phylum Arthropoda do they show?</p> <p>What type of fertilization is the reproductive strategy of “spray and pray”, internal or external?</p> <p>Arthropods, however, use Internal Fertilization.</p> <p>What is “impressive” about Barnacles?</p> <p>Why is being hermaphroditic an important adaptation for barnacles?</p>
11.	21 min	<p>Are crabs hermaphroditic? Explain</p>
12.	23 min	<p>What does Echinodermata mean?</p> <p>How do Sea Cucumbers protect/defend themselves? Describe.</p> <p>How do Sea Stars defend themselves?</p> <p>How do Sea Urchins defend themselves? What do “pedicellaria” look like?</p>
13.	27 min	<p>Touch Tank No questions, just stay tuned if you are interested. They show some Tunicates...a.k.a. Sea Squirts.</p> <p>Actually a member of our next phylum “Chordata”. Tunicates are know as the “Non-Vertebrate Chordate”. Wait? What? You heard that correctly “Non-Vertebrate Chordates” have a dorsal nerve cord, but no bony vertebrae (back bone) surrounding the nerve cord.</p>