



Raincoast Field School @home

Raincoast Challenge- Stream Ecology

This week with Raincoast Field School we have been exploring the wonderful world of streams! There are many components required to ensure a healthy stream ecosystem, such as vegetation, stream bed material (think gravels, sand, or boulders), oxygen levels, water temperature and complex stream structure (think large downed logs and undercut banks).

Challenge #1- Its now your turn to go out and explore a stream! Listen to the way it sounds, how it looks, its surrounding forest stand, the types of rocks present, the flow level, and the structure. Are there any pools? Any riffles? Your first mission is to locate a stream to explore. There are many drainage streams around both Tofino and Ucluelet! I'm sure you will be able to spot one on any forest walk.

Challenge #2- Once you have found a stream, draw it out! Pick a section of the stream to draw in as much detail as you can.

Draw what the stream and its banks look like below.

***Include details of the vegetation and the rocks in and around the stream.

A large, empty rectangular box with a thin black border, intended for a student to draw a stream and its surrounding environment, including vegetation and rocks.



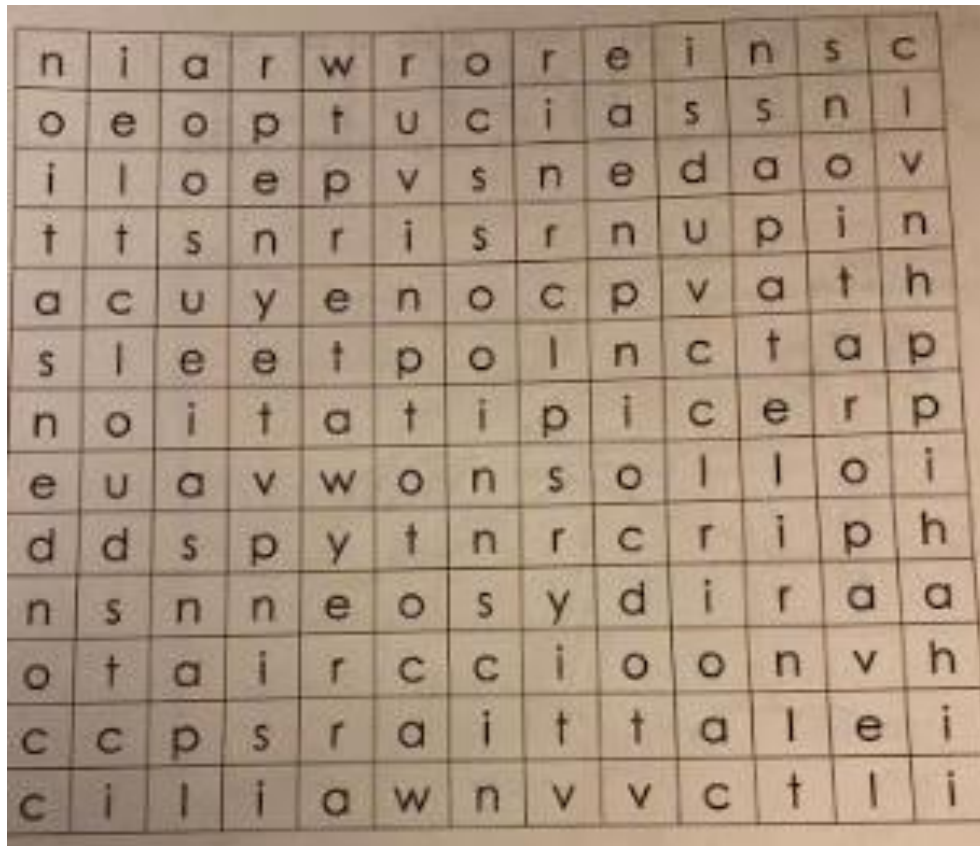
Challenge #3- After sitting, observing, and drawing out your stream, your next job is to add in some creativity! Stream ecosystems create beautiful areas with a sense of calmness. You can hear the water rushing, feel the damp coolness under the forest canopy, hear birds nesting and rusting in nearby vegetation, streams even have a certain fresh smell to them!

Your next mission is to write a stream poem, just a few lines to explain what you see, hear, smell, taste, and feel! While in the forest find a sit spot to brainstorm, use your 5 senses to truly take in everything this ecosystem has to offer. How does the stream make you feel? What can you hear? Who are you with? What animals might be around? What can you see?

Stream Poem

Below you will find a water cycle word search to also complete!

Water Cycle Word Search



precipitation	evaporation
rain	sleet
snow	condensation
vapor	clouds
cycle	hail
water	sun



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