

1. How do salmon help other animals?

2. How do salmon help plants?

3. How do salmon help people?

4. Water Quality Testing

Compare the water quality of your school's tank to the stream where your fish were released.

Test	Tank	Stream	Excellent	Good	Okay	Unhealthy
Temperature			7-12 °C	4-6 °C	13-17 °C	<4 °C or >17 °C
Dissolved Oxygen: Spawners			>8 ppm	5-8 ppm	3-4 ppm	0-2 ppm
Dissolved Oxygen: Eggs & Alevin			>11 ppm	8-11 ppm	6-7 ppm	0-5 ppm
Turbidity			0 JTU	1-40 JTU	41-100 JTU	>100 JTU
Phosphate			0-1 ppm	2 ppm	3 ppm	>3 ppm
Nitrate			<2 ppm	2.5 ppm	5 ppm	20 ppm
Ammonia						
pH			6.5-8.2	5-6.5 or 8.2-9	4-5 or 9-11	<4 or >11

How can we improve the water quality of this stream?

What is one thing that both salmon and people need in order to survive?

5. What are the 5 species of Pacific Salmon?



_____ (king) the king all fingers

Fun Fact: _____



_____ (silver) you wear silver on your ring finger

Fun Fact: _____



_____ (red) the finger you use to point to your eye

Fun Fact: _____



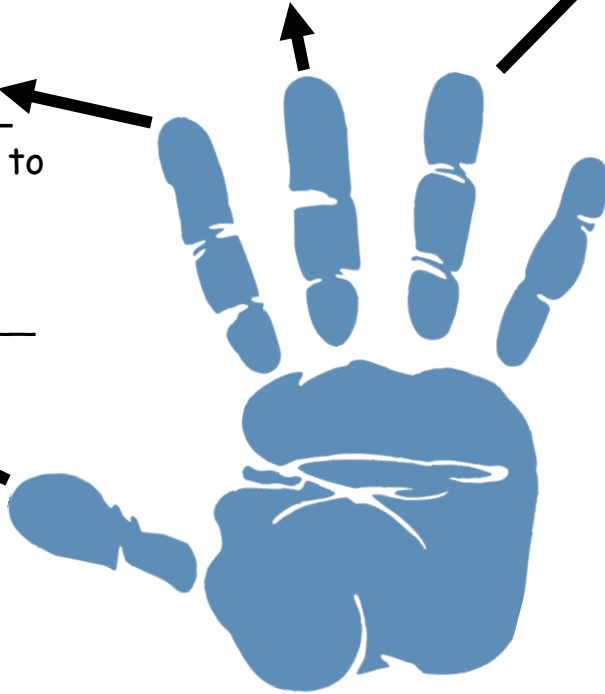
_____ (dog) rhymes with thumb

Fun Fact: _____



_____ (humpback) like your pinky finger

Fun Fact: _____



6. How many salmon survived to spawn out of your 3,000 eggs?

Station 1: You are a salmon EGG in a redd (nest) of gravel (small rocks) in a freshwater stream. Roll the dice at the station. How many salmon do you have left? _____

Station 2: You've hatched into an ALEVIN with a big yolk sac (belly full of food) still living in the stream. Roll the dice. How many salmon do you have left? _____

Station 3: Now you're a little FRY with good camouflage (parr marks). You eat little insects and hide a lot, still living in the stream. Roll the dice. How many salmon do you have left? _____

Station 4: When you become a SMOLT, your body changes so that you can live in the estuary where saltwater mixes with freshwater. Roll the dice. How many salmon do you have left? _____

Station 5: You spend years in the Pacific Ocean, growing to become a huge ADULT salmon. Roll the dice. How many salmon do you have left? _____

Station 6: Finally, you follow your sense of smell back to the river where you were born. You're almost home as a SPAWNER. Roll the dice. How many salmon do you have left? _____