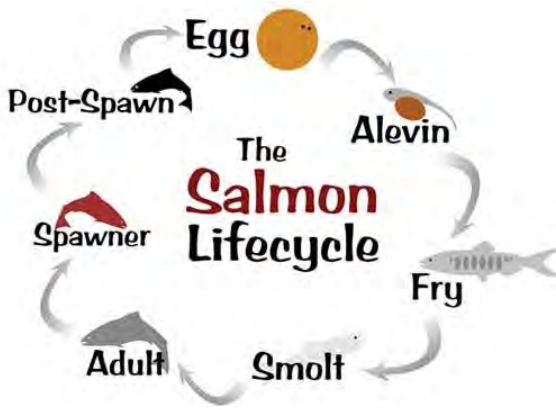


# Explore the Salmon Life Cycle!



The five species of salmon in Alaska have fascinating life cycles. They hatch in freshwater rivers or streams, migrate to the ocean as young adults, and spend several years in the ocean. As adults, they migrate back to the place where they were hatched to lay and fertilize their eggs.

*Image from Alaska Department of Fish & Game.*

## Explore the salmon life cycle with the links below!

- Watch a video explaining the salmon life cycle:  
[www.youtube.com/watch?v=wtrC7rvetH0](http://www.youtube.com/watch?v=wtrC7rvetH0)
- See photos and read more about each stage of a salmon's life:  
[www.nps.gov/olym/learn/nature/the-salmon-life-cycle.htm](http://www.nps.gov/olym/learn/nature/the-salmon-life-cycle.htm)
- Read about the five species of Alaska salmon and how to tell them apart:  
[www.adfg.alaska.gov/index.cfm?adfg=wildlifeneews.view\\_article&articles\\_id=714](http://www.adfg.alaska.gov/index.cfm?adfg=wildlifeneews.view_article&articles_id=714)
- Play a salmon life cycle matching game (*print out the cards or draw your own*):  
[www.scienceworld.ca/resource/salmon-life-cycle-mix-match/](http://www.scienceworld.ca/resource/salmon-life-cycle-mix-match/)
- Play a board game following a salmon's path from the river to ocean and back again: [schools.bchydro.com/activities/134](http://schools.bchydro.com/activities/134)



## Think and Discuss:

How is a salmon's life cycle similar to other animals (such as frogs or butterflies?)

How are salmon important in YOUR life?

What can you do to help take care of salmon?



# Pacific Salmon Life Stages



A salmon begins its life as a fertilized **egg**, laid in gravel at the bottom of a river. As the salmon grows inside the egg, it develops eyes, a spine and a tail.



After hatching, the salmon is known as an **alevin**. They receive nutrients from a yolk sac attached to their body. Alevin hide from predators in the gravel at the bottom of rivers.



**Fry** look like tiny fish. They begin to swim around in search of food. Most salmon fry have vertical stripes on their bodies called *parr marks*, which help camouflage them from predators.



**Smolt** are ready to live in the ocean. They are larger than fry and have lost the parr marks. The young salmon start to adjust their bodies to saltwater, allowing them to swim out into the ocean.



**Adult** (Ocean Phase) salmon live in the ocean for one to six years, depending on species. They are a silver color, and feed on zooplankton, small invertebrates, and other fish.



**Spawning adults** change colors as they return to freshwater. Males develop hooked noses and some species develop humped backs. The salmon return to the stream where they were born to lay and fertilize eggs. After spawning, the salmon die, completing their life cycle.