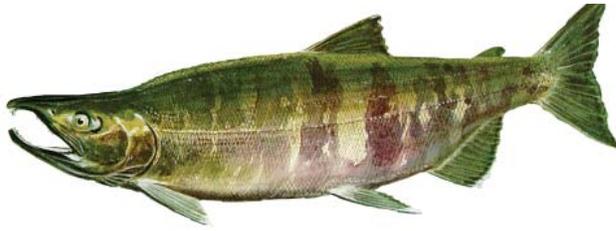


Rubric for Writing Your Salmon Life Cycle EXPOSITORY PAPER



- You will need to do the following if you are going to write an EXPOSITORY paper:

EXPLAIN OR INFORM

Give the reader facts, examples, or definitions, but don't give the reader your feelings.

FOCUS ON A SPECIFIC TOPIC

Write ONLY about your particular stage of the life cycle of a salmon. For example, if you are writing about the alevin stage then you shouldn't give facts about a spawning female digging a redd.

ORGANIZE YOUR INFORMATION LOGICALLY

After taking notes, organize your information so that it will make sense when you write your paper. The rubric will help!

INCLUDE ALL NECESSARY FACTS

Don't miss the important stuff! If you are writing about the smolt stage of the life cycle you won't want to miss writing about the estuary.

USE CLEAR AND PRECISE LANGUAGE

Make sure your sentences make sense. Are there any words you could delete? Are there any words you could add to make it clearer for your reader?

- Please use the following **VITAL (important) VOCABULARY** when writing about each stage of the life cycle of Pacific salmon:

EGG STAGE-freshwater, green, redd, gravel, fertilized, incubate, eyed, eyes, winter, sensitive, dark, disturbance, risk, riparian zone, streambed, water level, predators, flooding, pollution, disease, orange, diameter, outer casing, membrane, embryo, temperature, Celsius, accumulated thermal units

ALEVIN STAGE-freshwater, hatchlings, yolk sac, fats, protein, minerals, salts, fragile, sensitive, light, gravel, temperature, Celsius, accumulated thermal units

FRY STAGE-freshwater, swim-up, free-swimming, surface, swim bladder, inflate, neutral buoyancy, temperature, Celsius, accumulated thermal units, imprinting, eating, growing, insects, nymph, larva, dragonfly, midge, plankton, algae, animals, desirable areas, streamside cover, bushes, trees, shade, defend, territory, biological hazards, predators, darting, hiding, birds, mammals, fish, starvation, disease

SMOLT STAGE (juvenile)-freshwater, stream, parr marks, camouflage, migration, estuary, physiological changes, brackish water, nutrients, plankton, saltwater, Pacific Ocean, darting, predators, birds, mammals, fish

ADULT STAGE (young and mature)-migration, range, swimming, slimy mucus, mystery, kilometers, eating, zooplankton, crustaceans, small fish, herring, growing, schools, commercial fishing, sport fishing, native subsistence, natural predators, sea mammals

SPAWNER STAGE (male and female)-upstream migration, olfactory, spawning grounds, homing instinct, smell, fall, current, waterfalls, dams, ice, predators, changes, eating, energy, body fat, slimy mucus, scales, resorbed, thick skin, color, shape, teeth, jaw, eggs, sperm, female, redd-digging, streambed, caudal fin, male, fertilized, covering, guarding, clear water, unobstructed waterways, intact bank vegetation, death, decomposition, nutrients