

# Deconstructing the Biology - Worksheet

Directions:

- 1) Define the life stages of the species.
- 2) Describe the resource needs and requirements/special circumstances needed for INDIVIDUALS to carry out their life cycles.
- 3) Identify the resource function for each resource or circumstance;
  - B** – Breeding, **F** – Feeding, **S** – Sheltering, or **M** – Migration for animals
  - H** – Habitat, **R** – Reproduction, or **N** – Nutrition for plants.

Resources and/or circumstances needed for INDIVIDUALS to complete each life stage	B/F/S/M or H/R/N?
<b>SPECIES:</b> Bull Trout	
<b>Eggs</b>	
- Headwater streams, gravel/cobble substrate with water temp <48 degrees F	S
- Low amounts of silt	S
- Clean spawning and rearing gravel	S
<b>Fry</b>	
- Gravel/cobble substrate	S
- Stream channel substrates	S
- Aquatic insects	F
<b>Juveniles</b>	
- Stream / river – cold clear water, below 55°	S
- Zooplankton and zoobenthos	F
- Aquatic insects	F
- Tributary streams with connected waterways	M
- Woody debris	S
- Rubble substrate	S
<b>Adults</b>	
- Stream / river / lake – cold clear water, below 55°	SM
- Cover; snags, cut banks, large logs	S
- Interconnected waterways	BM
- Small fish, eggs, and fry	F
- Insects	F
- Stable streams	S
- Flow with ruffles and deep pools	S
- Small amphibians, mammals, birds	F