

Homework 9

Explain the following terms:

Indeterminate growth

Larva

Metamorphose

Fry

Juvenile

Flexion

Fecundity

Pelagic eggs / demersal eggs

Yolk

GSI (gonosomatic index)

Batch, or serial spawners

Chorion

Micropyle

Zygote

Diapause

Parthenogenesis

Intromittent organ

Smoltification

Precocious

Sex determination

Annulus

Otoliths

Bertalanffy growth equation

Condition factor, K

Short questions:

1. What is the adaptive advantage of sexual reversal? Please give examples of sexual reversal in both directions, i.e., from male to female and from female to male.

2. What is sexual dimorphism? Please illustrate traits involving sexual dimorphism with some example of species.

3. Write down at least three kind of nests that fish make, give examples of species that make each type of nest.

4. List at least four different types of parental care in fishes and describe the species that fits each type.