

Homework 11

Explain the following terms:

Hadal

Euphotic zone

Endothermy

Sargassum

Alkalinity

Preadaptation

Phylogenetic constraints

Population

Ontogenetic niche

Cannibalism

Gene flow

Longitudinal zones

Resource partitioning

Competitive displacement

Cysts

Herbivory

Ciguatera toxins

Zooplankton

Benthic invertebrates

Trophic cascades

“Top-down” regulation of community

Convergence

Diapausing egg

Niche

Invasive species

Bycatch

IUCN

CITES

Short questions:

1. What are typical characters of herbivorous fishes? Why herbivory is important to coral reef system? List two species of herbivorous fishes that are important species for aquaculture.

2. List five strategies used by different fish species for avoiding predation, which could happen during detection, pursue, attack and handling stage of predation.

3. What are the five physical factors that affecting deepsea fishes?

4. What are three general adaptations often found in desert-adapted fishes?

5. Give an example of trophic cascades.

6. Why does introduce species often affect native species? What are potential damages that introducing exotics fish species could cause? Please give an example.