

Homework 3

Student ID:

Name:

Explain the following terms:

Lateral line system

Inner ear

Sterocilia/kinocilium

Stimuli

Neuromast

Otolith

Weberian ossicles

Otophysan

Ampullary receptors

Retina

Rods and cones (sensory cells)

Rhodopsins

Nasal sacs

Olfactory epithelium

Magnetoreception

Short questions:

1. What are the five parts of fish brain?
2. In physoclistous fishes, how is the gas exchange in swim bladder handled?
3. What are the three kinds of kidneys present in vertebrates? What types of kidneys do fishes have?

Complete the names of the structures in the diagram

