

## **Freshwater Yellow Perch - Describe what each of these features do.**

### **external**

2 dorsal fins - anterior and posterior

anal fin

caudal fin - homocercal

pectoral fin

pelvic fin

lateral line

anus - (no cloaca)

mouth - maxilla and pre maxilla

eyes

nasal cavity - ofactory duct

operculum

gills

scales

w-shaped muscle bundles - myomeres

### **pleuroperitoneal cavity**

ribs - well developed and numerous

gonad - ovary - testes

liver

gall bladder

fat tissue

esophagus

stomach

intestine

pyloric caeca

spleen

pancreas

swim bladder

kidneys - (log and dark)

### **respiration and circulation**

operculum

gills - gill filaments

holobranch

hemibranch

gill rakers

heart - pericardial cavity

sinus venosus

atrium

ventricle

bulbus arteriosis

arteries

### **brain and nervous system**

brain

cerebrum

optic lobes

cerebellum

olfactory bulb

medulla oblongata

spinal cord.

pituitary