

Perch Dissection

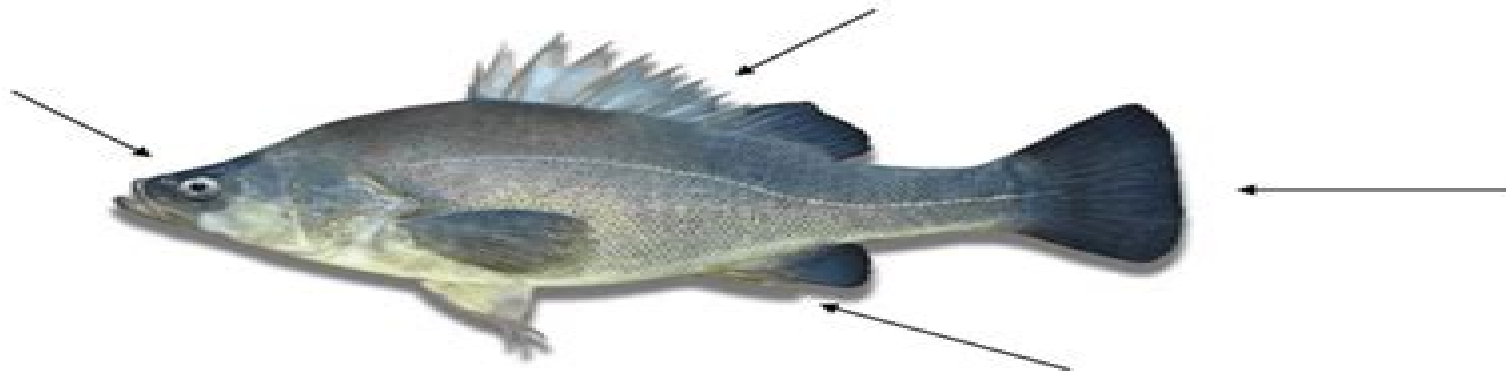
Materials:

Preserved perch, dissecting pan, scalpel, scissors, forceps, magnifying glass, dissecting pins, apron, gloves, eye cover,

Procedure (External Anatomy):



1. Obtain a perch & rinse off the excess preservative. Place the perch in your dissecting pan.
2. Label the anterior, posterior, dorsal, and ventral sides of the perch on Figure 1.



4. Open the perch's mouth and observe its bony jaws.
5. Feel the inside of the mouth for the teeth. Locate & label the tongue & teeth on Figure 1.
6. Open the mouth wider and use a probe to reach back to the gill chamber.
7. Locate the nostrils.
8. Locate and note the location of the eyes.
9. Find the bony covering on each side of the fish's head called the operculum. The opercula cover & protect the gills. Use your picture to find these.
10. Use a probe to lift the operculum and observe the gills. Note their color.
11. Use a scissors to cut away one operculum to view the gills. Find the gill slits or spaces between the gills.
11. Use your scalpel to carefully cut out one gill. Find the cartilage support called the gill arch and the soft gill filaments that make up each gill.
15. Observe the different fins on the perch. Locate the pectoral, dorsal, pelvic, anal, and caudal fins. Note whether the fin has spines. Locate the anus on the perch anterior to the anal fin. In the female, the anus is in front of the genital pore, and the urinary pore is located behind the genital pore. The male has only one pore (urogenital pore) behind the anus. Determine the sex of your perch.
16. Find the lateral line on the side of your perch. Label this line on Figure 1.
17. Use forceps to remove a few scales from your fish. Observe the scales under the magnifying glass. Sketch a scale on Figure 3.

Perch Dissection Lab Answers

Katrin Zwirgmaier



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