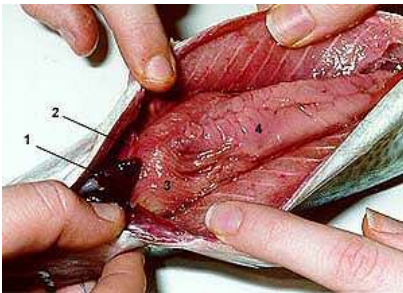


# Virtual Fish Dissection

Directions: Using the following website as a starting point, answer the following questions. Select the "Fish Dissection - Blue Mackerel"

<http://australianmuseum.net.au/Dissection-of-a-Blue-Mackerel-Scomber-australasicus/>

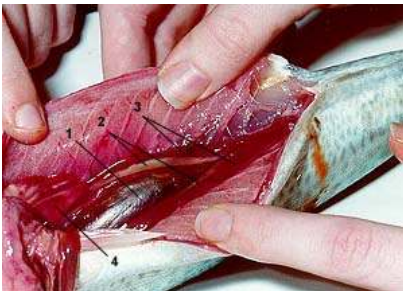
1. What is the scientific name of the Blue Mackerel?
2. How big does the Blue Mackerel get?
3. What is the common name for fishes in the Carapidae family?
4. Define "countershaded".
5. What fish has their pelvic fins modified into a sucking disc?
6. What are operculae?
7. Label 1-4. (these are the same pictures and numbers as online)



8. Label 1-5. (these are the same pictures and numbers as online)

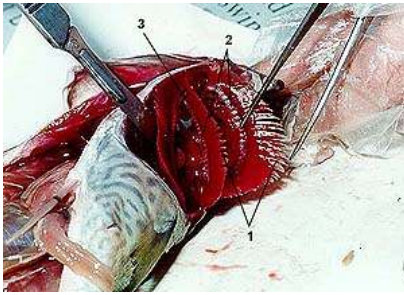


9. Label 1-4. (these are the same pictures and numbers as online)



10. What does the swim bladder do?

11. Label 1-3. (these are the same pictures and numbers as online)



12. What is another name for the gill filaments of bony fishes?

13. Compare the gill filaments of highly active and less active fishes.

Now click on "Dissection of Blue Mackerel" on the left-hand side of the screen. Then click on + next to "Fishes" in the same location, opening more options. Then click on "Fish Scales" to answer the following questions.

14. Do all fish have scales?

15. Draw a sample placoid scale.

16. Draw a sample cosmoid scale.

17. Draw a sample ganoid scale.

18. Draw a sample cycloid scale.

19. How are scales used to determine the approximate age of a fish?

20. Give an example of a fish that has more than one type of scale.

Now click on "Parts of a fish – fins" on the left-hand side.

21. Draw a fish and label the six major fins.

Finally, go to the following link for a "Fish Memory Game" on the left-hand side of the screen.

<http://www.apples4theteacher.com/java/concentration-games/fish/>

22. List as many fish as you can identify within the matching game.

23. What is your best score for the fish memory game?