Fish Dissection Lab Report

A. Dissection: Label all your pictures and identify the different systems you have found.

 B. Research: Do some research on the following strange and unusual fish from around the world. Complete the table.

|  |  |  |
| --- | --- | --- |
| Common Name | Size (length × weight) | Unusual characteristics and/or behaviors |
| Porcupine fish |  |  |
| Shortnose batfish |  |  |
| Mudpuppy |  |  |
| Barreleye |  |  |
| Lumpfish |  |  |
| Angler fish |  |  |
| Boxfish |  |  |
| Mekong catfish |  |  |
| Oarfish |  |  |
| Frilled Shark |  |  |

C. Answer the following questions:

1. Which of the structures that you observed in the fish help the fish sense its position in the water and help it to maintain or change position? Explain what each structure does.

2. Describe the process of counter current flow in the gills. How does it help with gas exchange?

3. Why would a fish with faulty valves in its conus arteriosus probably suffer from a lack of energy?

4. Some cave dwelling fish have vestigial eyes since there is no light. Therefore, what part of their brain is probably less developed and what part(s) of their brain should be more developed?