Fish Physiology Notes

Anatomy and Physiology

* Physiology:



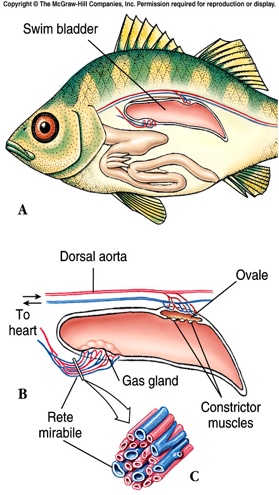
Circulatory System

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Respiration

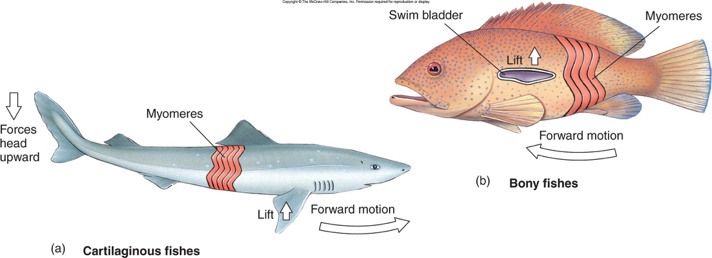


Neutral Buoancy:

* How do sharks keep from sinking?
* What is a swim bladder?

Teleosts vs. Chondrichthians

* Teleosts:
* Chondrichthians:

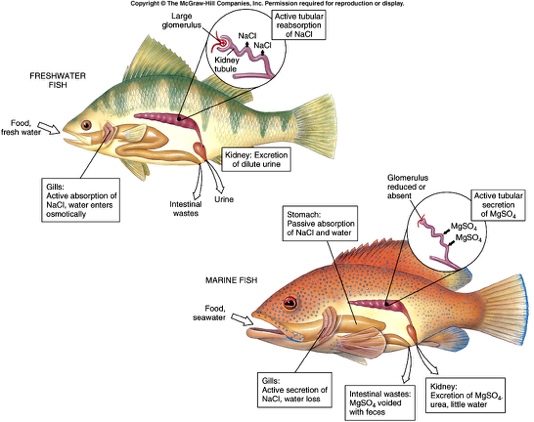


Osmotic Regulation

Freshwater fish are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* kidney pumps\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Marine bony fishes are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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* unneeded salt is secreted \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

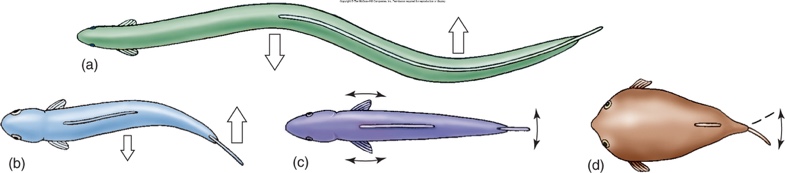
Reproduction

* Most sexually reproduce and have separate sexes
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-eggs develop outside the female.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_- eggs are fertilized internally and hatch and develop inside the mother. Don’t receive nutrients from her body.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-Most fish externally fertilize eggs in a large group. No parental care.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_- a few species care for eggs and/or larvae by protecting them in their mouths.

Life Cycle of Fishes



Movement

* Locomotion
  + 
  + myomeres: