Fishes Note Guide

Marine Fishes:



Basic Characteristics of all fishes:



Types of Marine Fishes:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)



2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)



3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

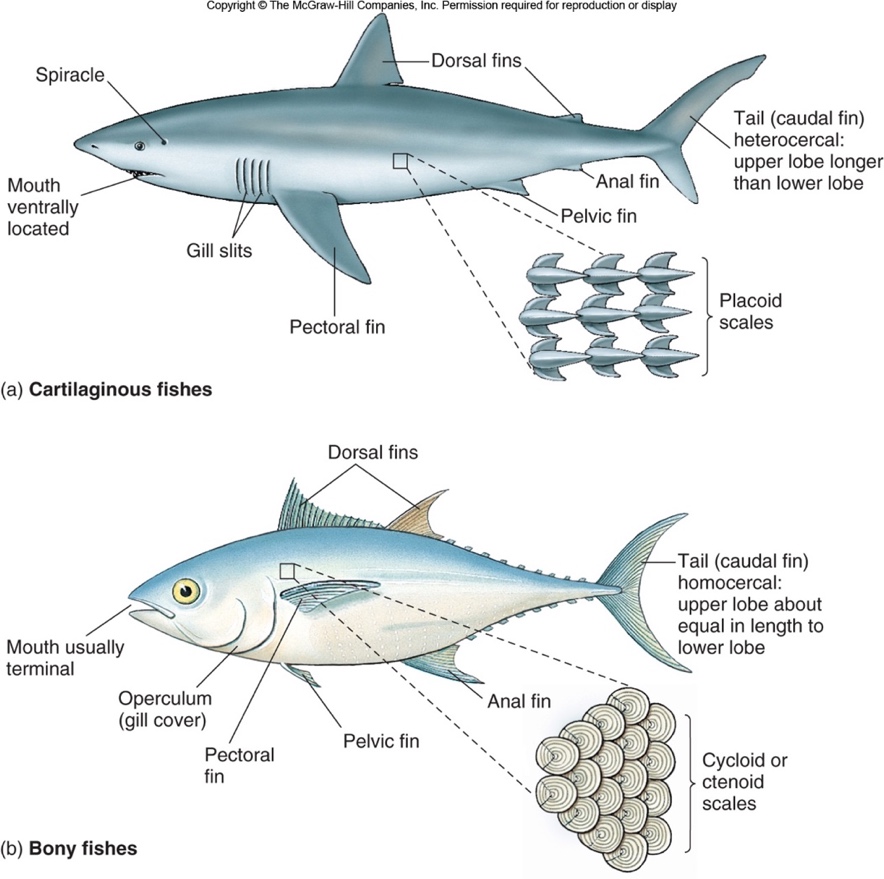


Cartilaginous Fishes (Class \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

* + Sharks, rays, skates, and ratfishes
* **Basic Characteristics**:
  + Skeleton of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Heterocercal tail: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Mouth is always \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ scales
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + 5-7 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ open directly into the water in most species
  + *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*in many species (openings on head used to bring water for respiration without having to open the mouth)
  + Males in most species have *\_\_\_\_\_\_\_\_\_\_\_\_\_;* projections of the anal fin used in copulation
  + Buoyancy aided by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Bony Fishes (Class \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

* **Basic Characteristics**:
  + Skeleton composed of \_\_\_\_\_\_\_\_\_\_\_\_\_
  + *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*tail (two lobes of equal size) that provides forward thrust
  + Flat bony scales (*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*)
  + Bony *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*covers the gills
  + *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* used for buoyancy control (absent in some demersal species)
  + *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* for sensory information
  + Over 31,000 species known (marine and freshwater), about half of all known vertebrates species

Bony Fishes: 2 Types

Assignment:

* Make a poster comparing and contrasting Chondrichthyes and Osteichthyes.
* List all the characteristics of all fish
* For each class of fish, describe their gills, tail, buoyancy, scales, mouth position
* Also list at least 2 specific species for each class including: scientific name, common name, habitat, conservation status. Include a picture (drawn or printed out with photo credits)

Total points possible = 35 DUE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_