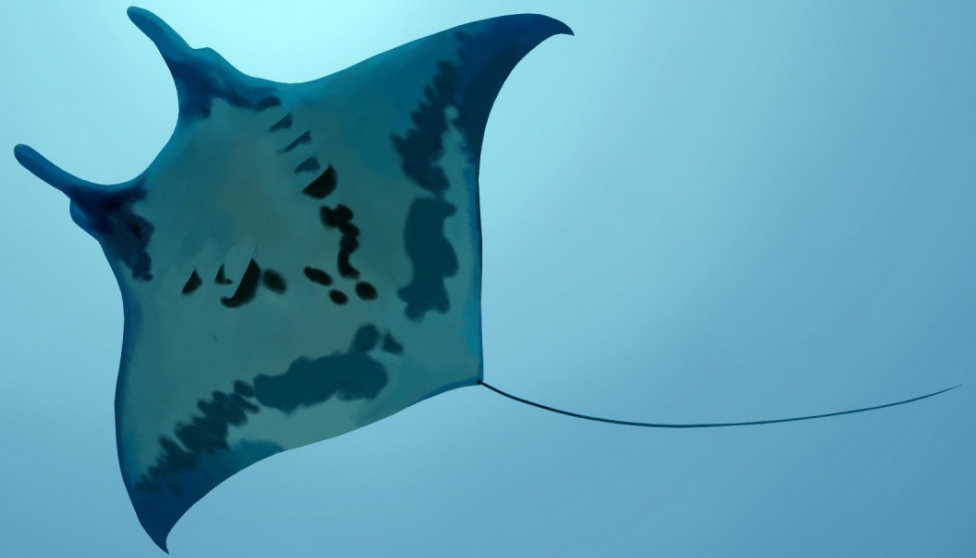


CARTILAGINOUS FISH



CARTILAGINOUS FISH

- Cartilaginous Fish - fish whose entire skeleton is composed of cartilage
- Cartilage - flexible connective tissue composed of cells and protein
 - Example - the tip of your nose



CARTILAGINOUS FISH

Types of Cartilaginous Fish



Sharks



Skates



Rays

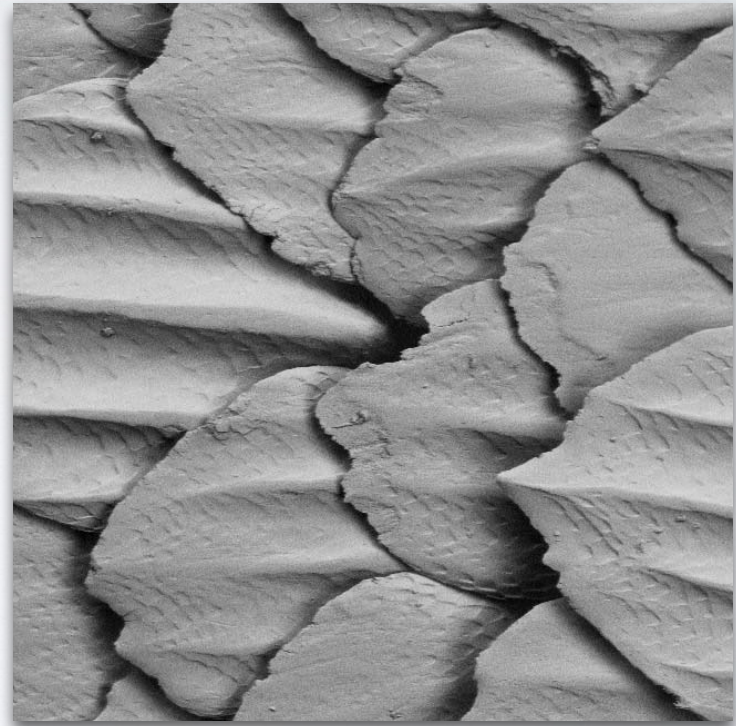
CARTILAGINOUS FISH

- There are as few as 700 cartilaginous fish species where as 25,000 known boney fish
- Considered the first jawed fish



CARTILAGINOUS FISH

- Cartilaginous Fish Characteristics:
 - Placoid Scales - tiny teeth that are embedded in the skin that point backwards
 - If you rubbed your hand from tail to head it would feel like rough sandpaper



CARTILAGINOUS FISH

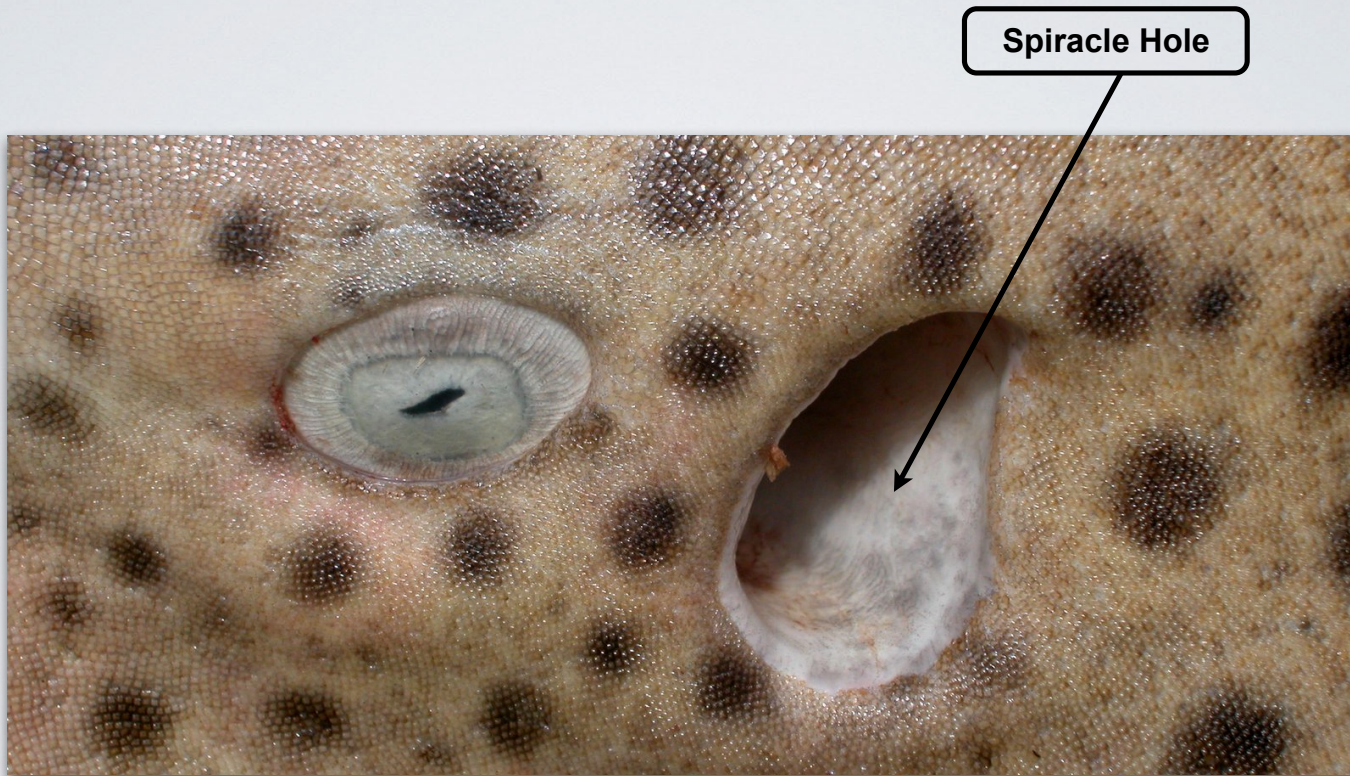
- Cartilaginous Fish Characteristics: (continued)
 - Visible Gill Slits



Gill Slits

CARTILAGINOUS FISH

- Cartilaginous Fish Characteristics: (continued)
 - Spiracles - breathing holes located on their dorsal side behind each side of the eyes
 - Water enters through the spiracle holes and passes through the gill chamber



Spiracle Holes

CARTILAGINOUS FISH

- Cartilaginous Fish Characteristics: (continued)
 - Rigid Fins - fins that allow them to glide through the water

