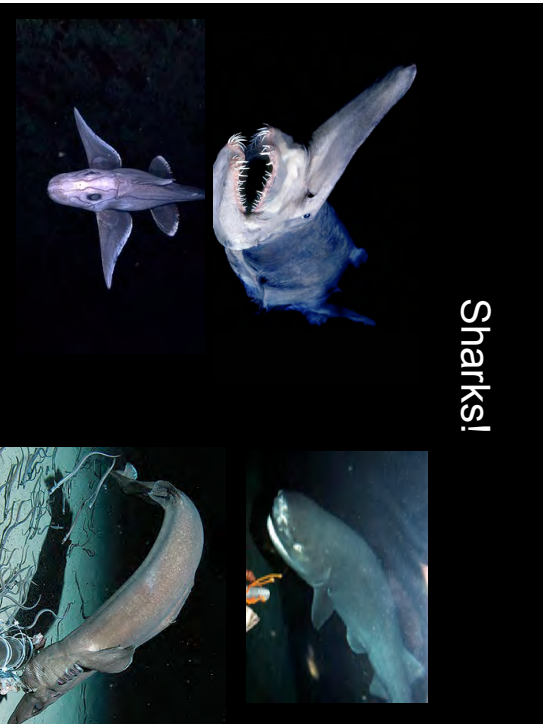




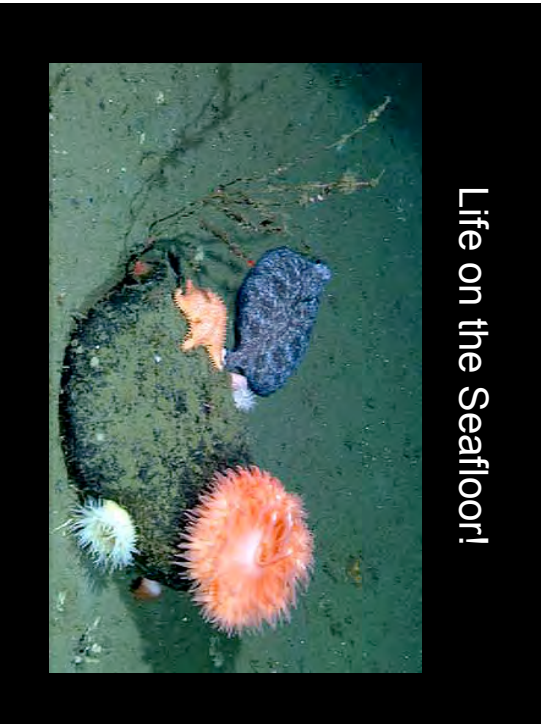
Illumination in Fish



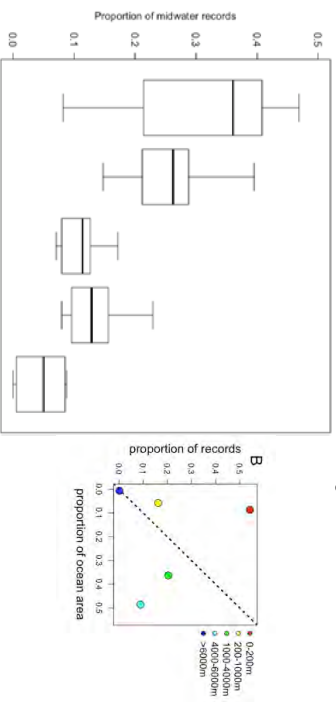
Strange Mouths!



Sharks!



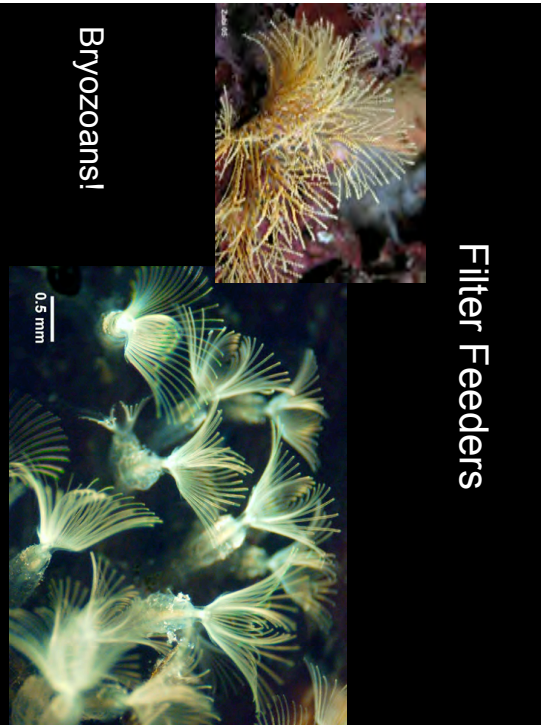
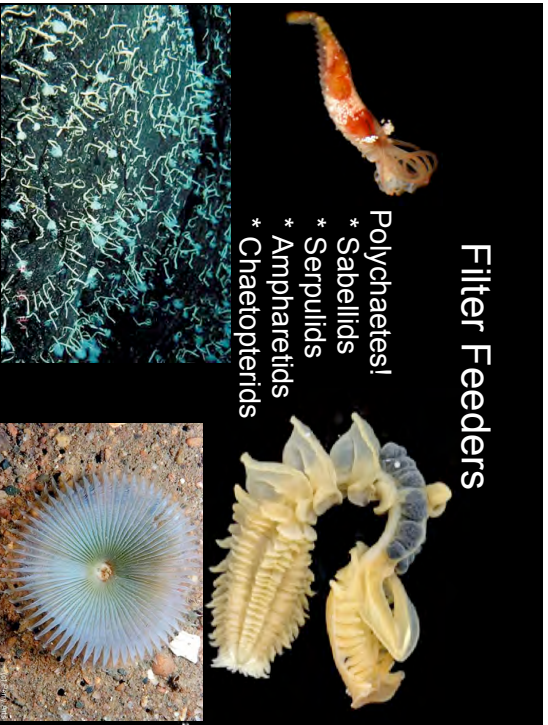
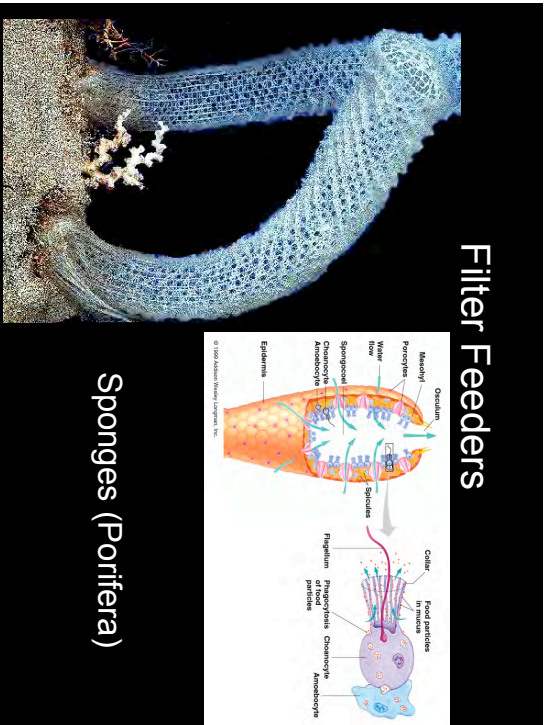
Life on the Seafloor!



Midwater Diversity

An Impoverished Empire?

- Nutrient limitation on the seafloor
- Does nutrient limitation facilitate speciation in the deep sea?
  - A wide variety of feeding strategies
- Filtering, capturing, ambushing, hunting, sifting



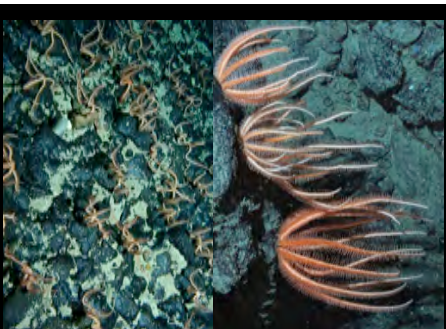
## Filter Feeders



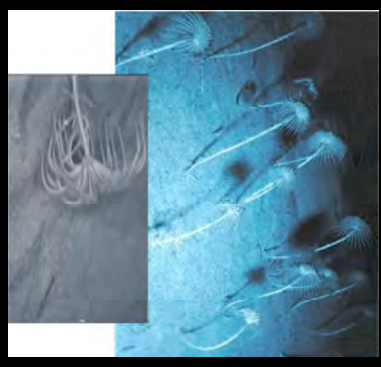
Echinoderms!  
Crinoids, Brittle Stars, Brisingids



## Filter Feeders



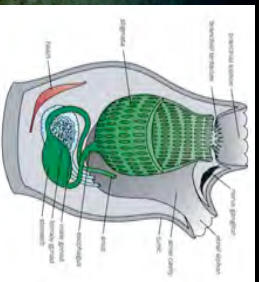
Echinoderms!  
Crinoids, Brittle Stars, Brisingids



## Filter Feeders

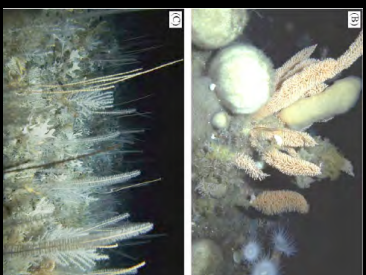


Tunicates!

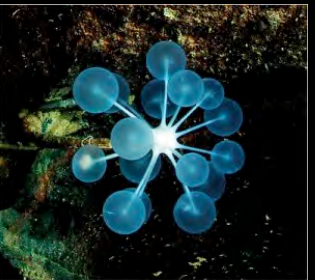


## Passive Predators

- Forms large communities of cnidarians, sponges, tunicates
- Common in antarctic and shelf habitats



## Passive Predators



Carnivorous Sponges!



Cnidarians!

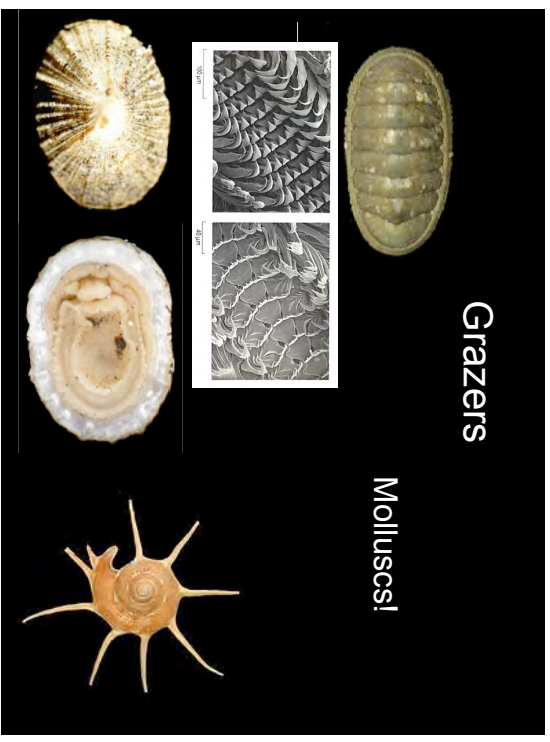
## Passive Predators



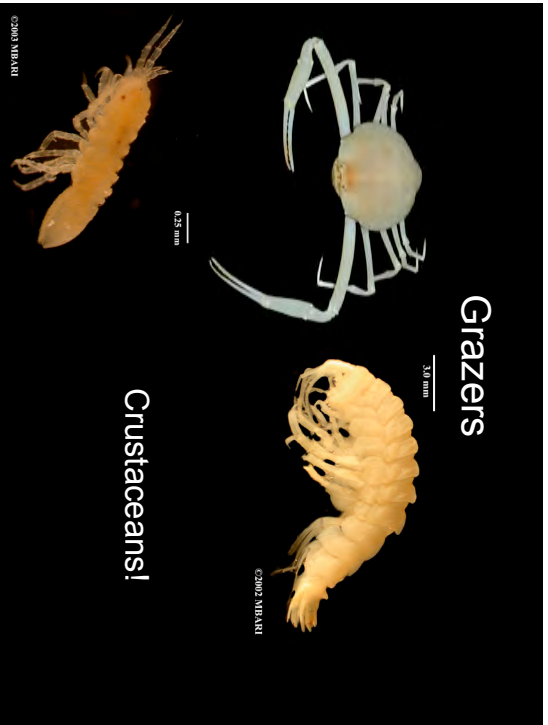
# Passive Predators



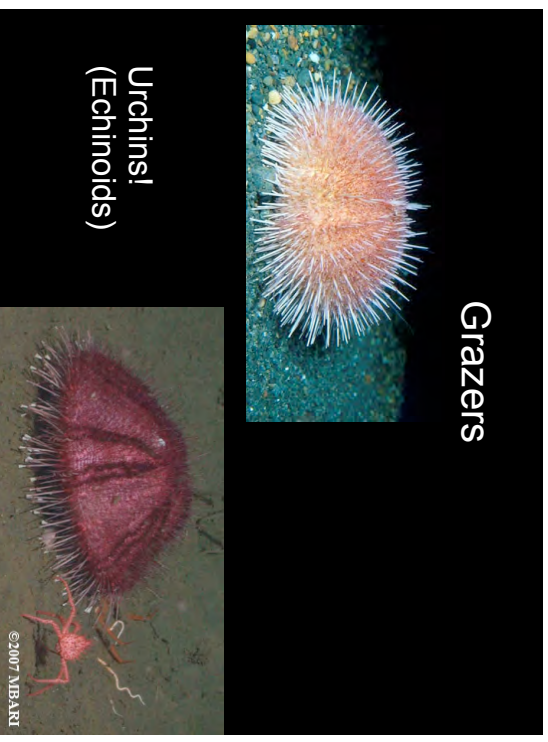
# Grazers



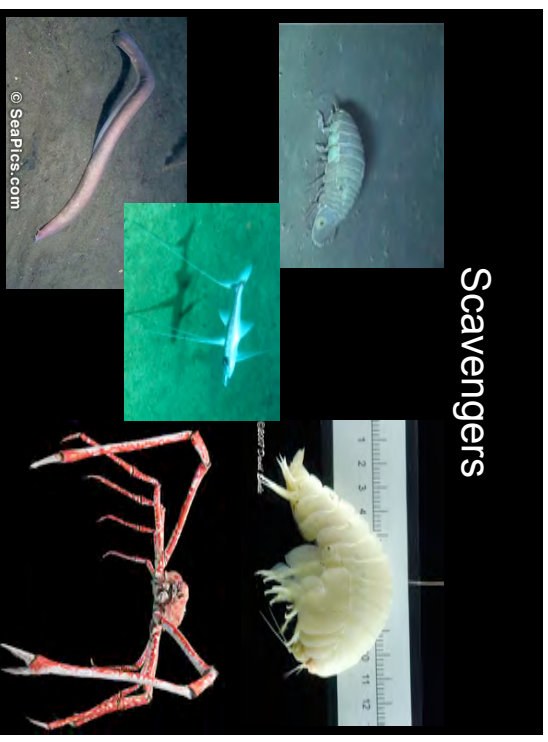
# Grazers



# Grazers



# Scavengers



# Sipunculans



# Hemichordates!

