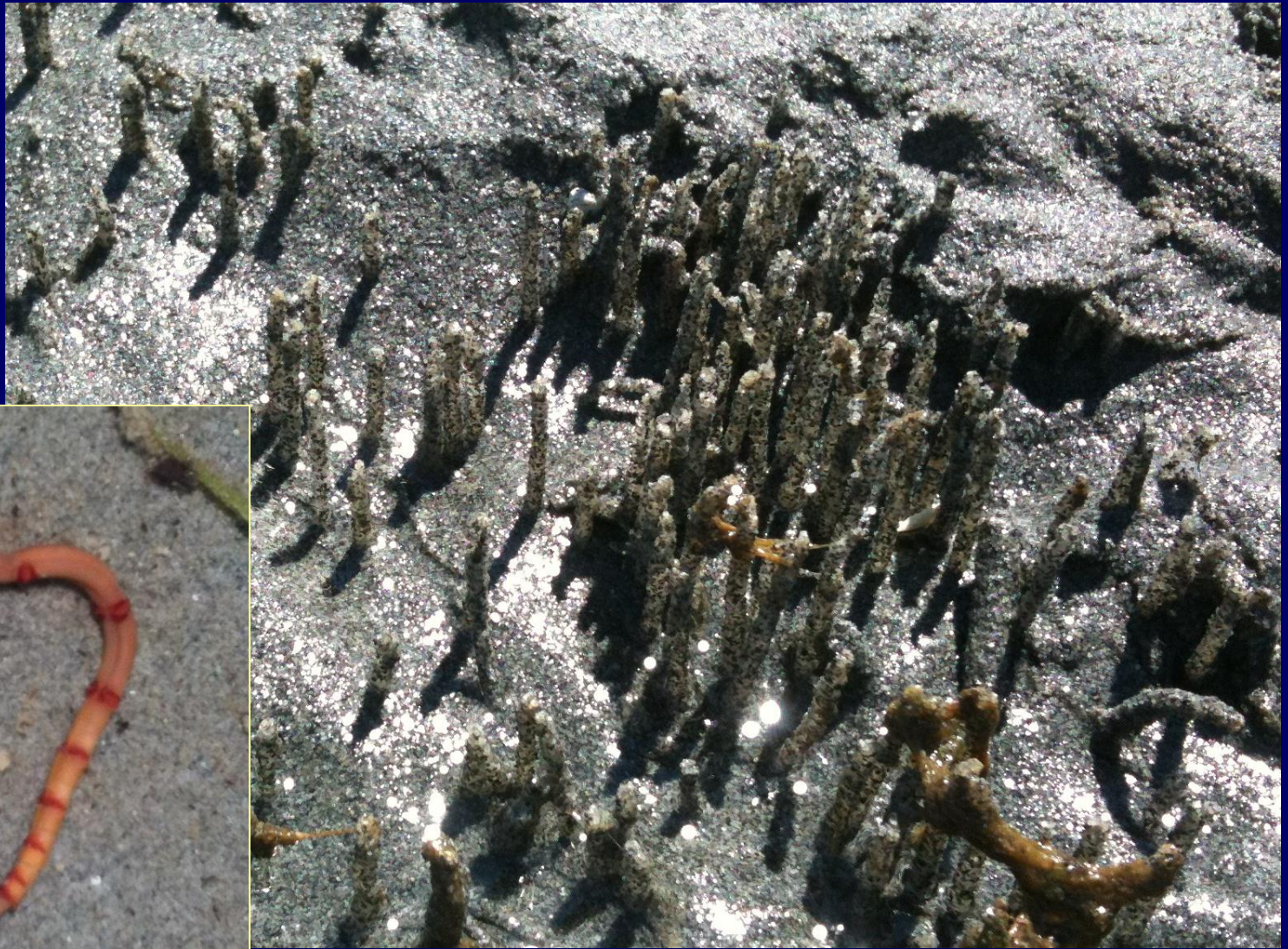








Sea Hair (*Ulva intestinalis*. formerly *Enteromorpha*)



5



Eelgrass
Zostera marina



Doug Stark

Zostera marina and *Z. japonica*

The invasive *Spartina*



Whatcom County



Wireweed

Sargassum
muticum



Whatcom County

Rockweed
Fucus distichus



**“Sea fungus”
tar spot** (like
other tar spot,
but more loosely
adhered)

Ralfsia pacifica



Winged kelp & Sugar kelp
Alaria marginata *Saccharina latissima*



Bull Kelp

Nereocystis
leutkeana

Mary Jo Adams



Black pine

Neorhodomela sp.



Ubc

Sea moss or Brillo-pad algae
Endocladia muricata





Filamentous red & red blades ?

Red Laver, Nori (*Porphyra* sp.)





Turkish washcloth – tar spot



Mastocarpus sp.



Doug Stark photo

Turkish towel

Mastocarpus, Chondracanthus exasperatus



Mary Jo Adams



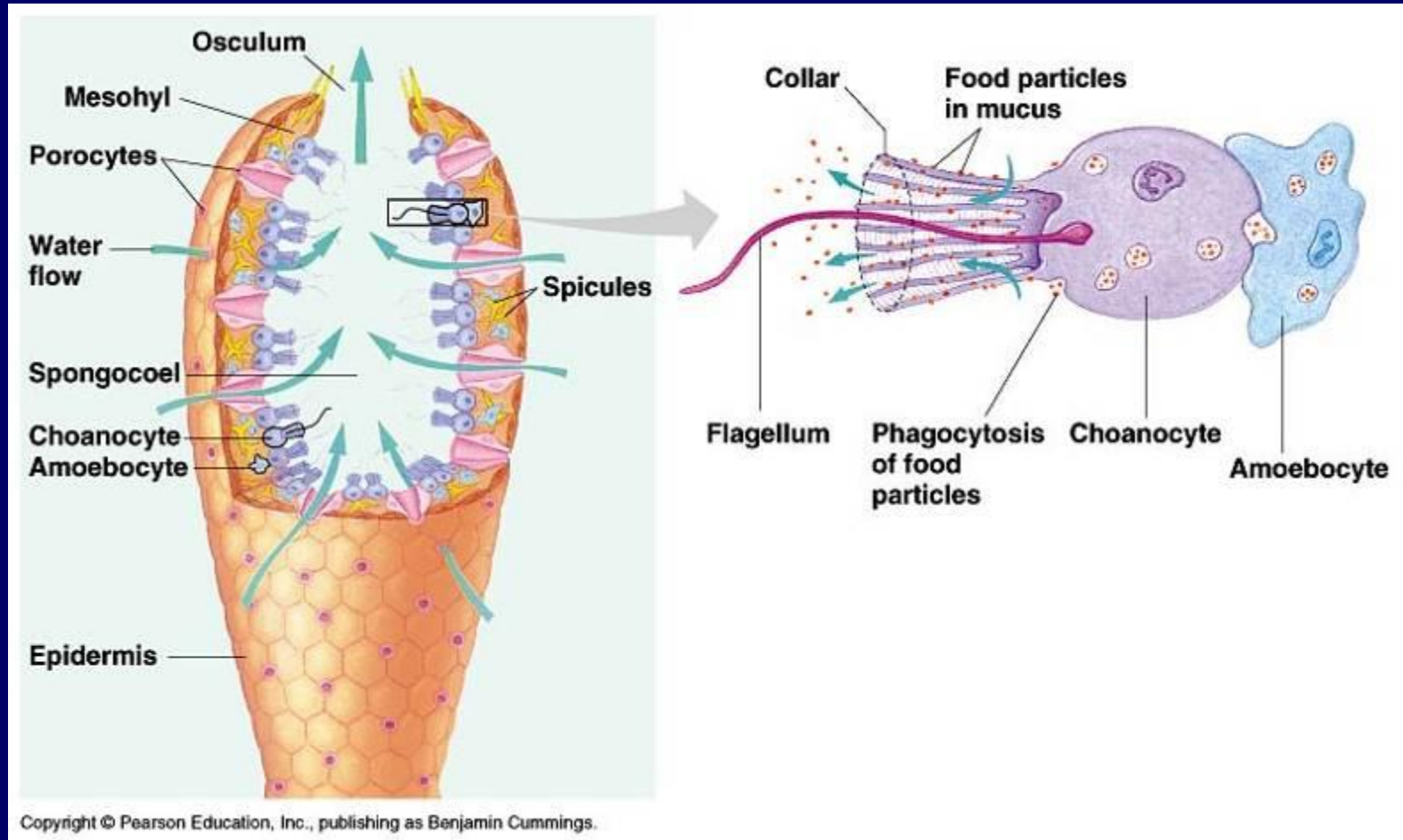
Rusty rock
Hildenbrandia sp.



Doug Stark photo

(?) - What does it feel like?

The sponges very basic body plan...

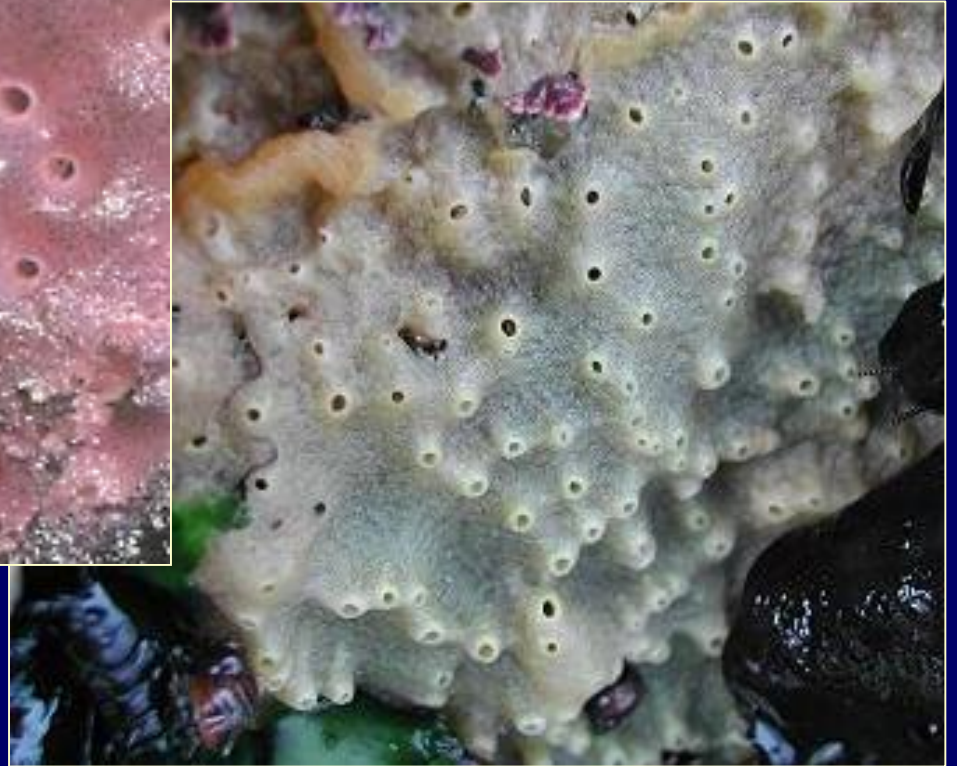


Sponges (Porifera)



Mary Jo Adams photo

Purple sponge *Haliclona* sp.



Bread crumb sponge
Halichondria sp.

Doug Stark photo

Under Rocks



Rough scallop sponge on young rock scallop
Myxilla incrustans or *Mycale adhaerens*.





Doug Stark

Aggregating / pink-tipped anemone
Anthopleura elegantissima



Pink-tipped green anemone
a.k.a.
Aggregating anemone
Anthopleura elegantissima

Doug Stark photos







Blue mussels and thatched / haystack barnacles
Mytilus trossulus & *Semibalanus cariosus*



Mary Jo Adams photos

Acorn barnacle
Balanus glandula



Little brown barnacle
Chthamalus dali



Crenate barnacle
Balanus crenatus



Doug Stark photo



Doug Stark photo

Thatched barnacle, *Semibalanus cariosus*

Barnacles on shell



Doug Stark photo

Bryzoans



Mary Jo Adams

- Crusty
- Can see “pores”, esp with hand lens
- Patterned





Mary Jo Adams

Kelp lace bryozoan
Membranipora membranacea



Doug Stark photo

Bryozoans

Tunicates



Doug Stark photo

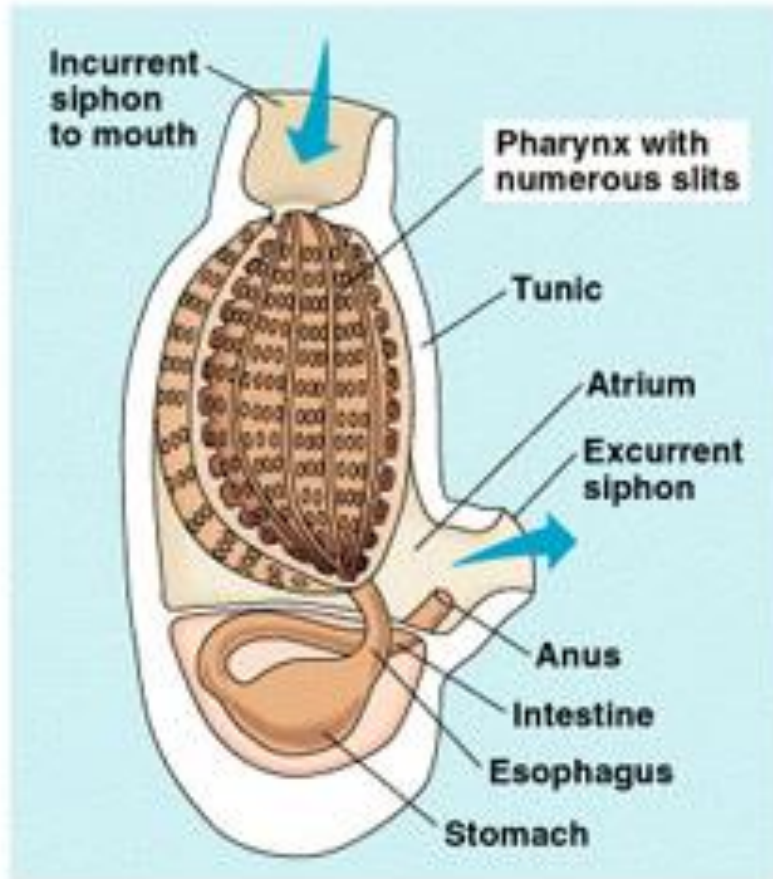
Sea Pork – colonial tunicates



Jim Ramaglia photo

Sea squirt

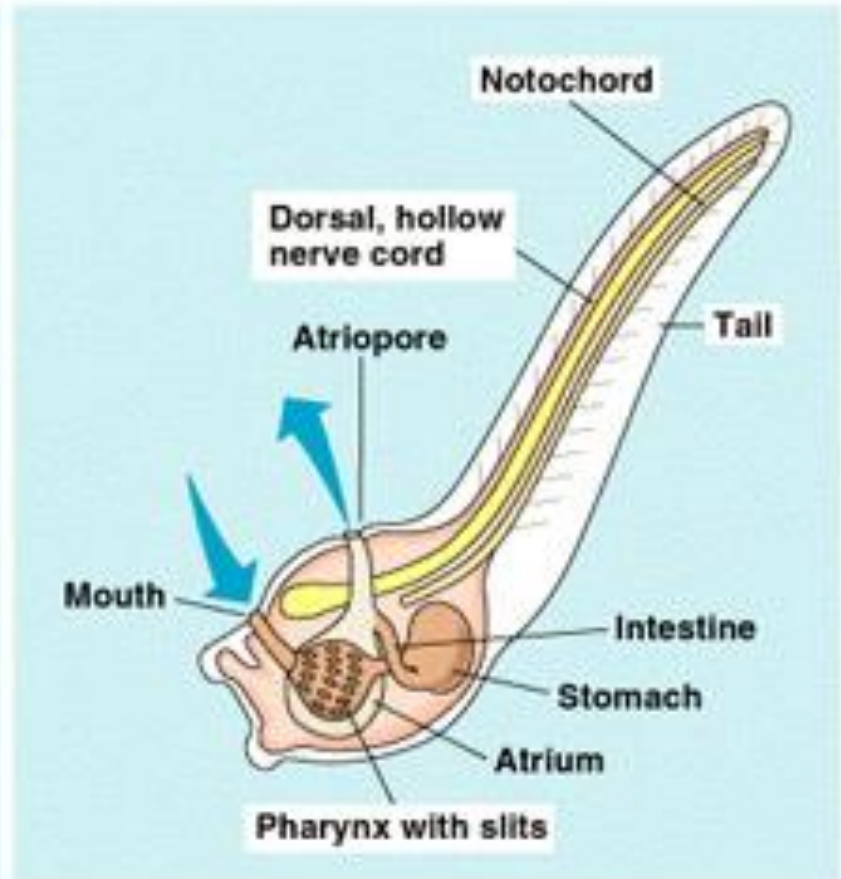
Tunicate adult



(b)

© 1999 Addison Wesley Longman, Inc.

Tunicate “tadpole”



(c)

Red colonial
ascidians
(tunicates)

Applidium sp.





Sea pork on
Pacific oyster

Doug Stark photo



Doug Stark photo

Colonial tunicate sp.
(*non-invasive sp*)

“Rock snot” / *Didemnum* sp. – invasive colonial tunicate



Doug Stark photo



Didemnum sp

Other invasive tunicates



Janna Nichols photo

Club tunicate –
Styela clava



Rick Zade photo

Transparent Ciona Tunicate
Ciona savignyi
Sigh-OH-na sa-VEE-nee



Doug Stark photo

Sponge (or *invasive tunicate?*)



Doug Stark photo

Wrinkled welk *Nucella lamellosa* egg masses



Barnacle-eating nudibranch
Onchidoris bilamellata & egg masses



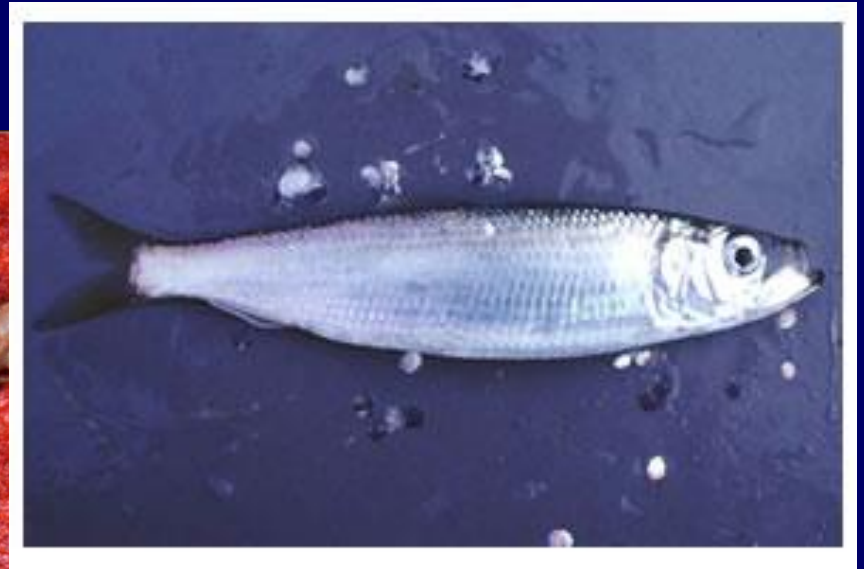


Tidepool sculpin
Porichthys notatus





Al Hanners photo



WDFW photo

Pacific Herring eggs





Gull with plainfin midshipman
Porichthys notatus

Wendy Harris



Doug Stark photo

Plainfin Midshipman
Porichthys notatus



Saddleback gunnels in sea lettuce

Wendy Harris

Ulva sp.



High cockscomb blenny

Upper shoreline: Sandy gravel shoreline used by spawning forage fish



Doug Stark photo

Surf smelt eggs in sand. *WDFW photos*



WDFW photo

Sand Lance