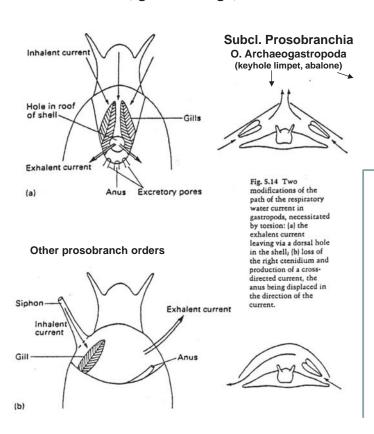
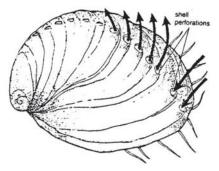
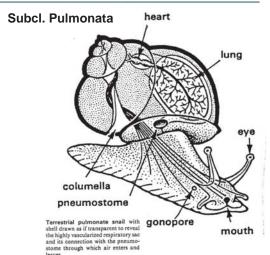
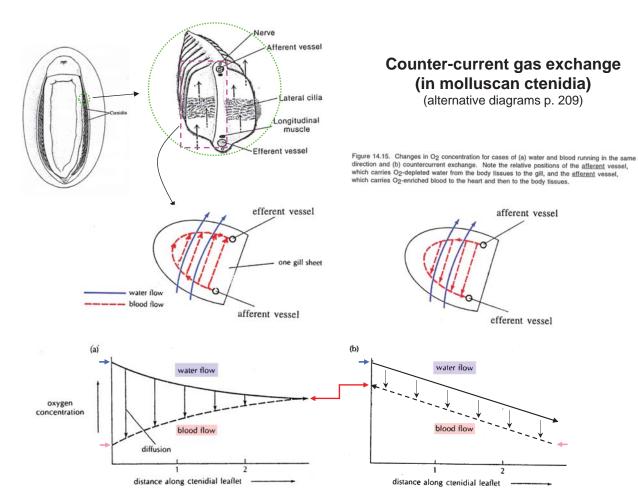


## Consequences of gastropod torsion water currents, gas exchange, and defecation







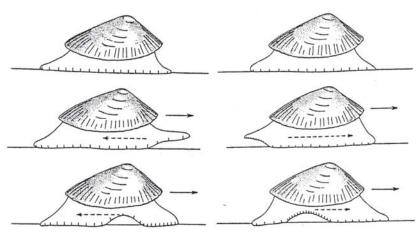


## Gastropod creeping locomotion



FIGURE 13.18 Diagram showing the waves of muscular activity in the foot of a slug. The roller is turned by the waves as they impinge on it.

Two forms of "creeping" locomotion used by gastropods and chitons.
(1) How can waves that move in opposite directions both create forward movement? (2) Which types of muscles must be used, and in what sequence, to achieve each type of wave?

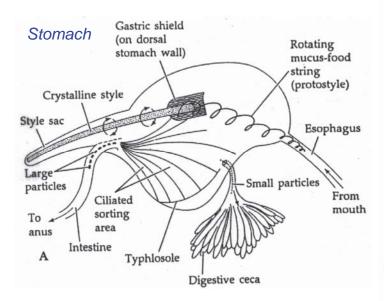


"retrograde" wave

"direct" wave

## **Gastropod feeding diversity**

Benthic grazing (algal crusts or epiphytes)
Predation (drilling, browsing)
Planktonic grazing and predation
Suspension feeding (with mucus or ctenidia)
Kleptoparasitism
Toxic harpooning



## Digestive system

