Phylum Mollusca

Pg.352-356

snails, slugs, clams, oysters, squids, octopi
Mollusks

- 2nd largest phylum of animals
- Ocean, freshwater, land
- Three classes
  - Gastropods- slugs, snails
  - Bivalves- clams, creatures with 2 shells
  - Cephalopods- squid, octopi
All Mollusks Have...

**Foot** - movement

**Mantle** - protects non-shell mollusks

**Visceral Mass** - inside coelom gills, gut, organs

**Shell** - protection, keeps moisture in
How do they eat?

- Filter feeders
- Radula
- Tentacles
Do they have a heart?

Most mollusks:

Open circulatory system
- Heart pumps blood into spaces

Cephalopods:

Closed circulatory system
- Heart circulates blood through network of vessels
How about brains?

• Complex ganglia
• Control
  – Breathing
  – Foot movement
  – Digestion
• Cephalopods
  – Have a brain
  – Smartest of all invertebrates
Gastropods
Bivalves
Cephalopods

Masters of camouflage
And flexible too!
Phylum Annelida

...worms...
Annelids

• Segmented parts
• Coelom
• Closed circulatory system
• Nervous system
  – ganglia in each segment
  – brain in head
• Some segments have special functions, i.e.- eating, reproduction
Earthworms

*aerate soil

*head= the side closest to the band
Bristle Worms *live in water
Leeches

*prevent blood clotting, reduce swelling
Used in surgery/keep down swelling in people