

## Unit 5 Notes

### Phylum Arthropoda

Phylum \_\_\_\_\_ – “ \_\_\_\_\_ ”

- Approximately \_\_\_\_\_ known species
- Largest \_\_\_\_\_
  - \_\_\_\_\_ of all species in the \_\_\_\_\_ kingdom are \_\_\_\_\_

Phylum \_\_\_\_\_ – Major Classes

- \_\_\_\_\_ – lobsters, crabs, crayfish, pillbugs, shrimp
  - They all have \_\_\_\_\_
- \_\_\_\_\_ – Insects
  - These have \_\_\_\_\_
- \_\_\_\_\_ – Spiders, mites, ticks, scorpions
  - These have \_\_\_\_\_
- \_\_\_\_\_ – centipedes
  - \_\_\_\_\_ of legs per \_\_\_\_\_
- \_\_\_\_\_ – millipedes
  - \_\_\_\_\_ of legs per \_\_\_\_\_

Class: \_\_\_\_\_ – “ \_\_\_\_\_ ”

- Generally \_\_\_\_\_ – mostly \_\_\_\_\_
- Free living
  - Some are \_\_\_\_\_
- \_\_\_\_\_ segmented
  - \_\_\_\_\_ made of \_\_\_\_\_
  - \_\_\_\_\_ is \_\_\_\_\_ regularly through a process called “ \_\_\_\_\_ ”
- Body segments – “ \_\_\_\_\_ ” Generally \_\_\_\_\_ distinct \_\_\_\_\_
- \_\_\_\_\_ and \_\_\_\_\_ are fused together in a single structure called a “ \_\_\_\_\_ ”
  - \_\_\_\_\_ is covered by a hard shell called a “ \_\_\_\_\_ ”
  - \_\_\_\_\_ are located on \_\_\_\_\_
- \_\_\_\_\_ – \_\_\_\_\_ are located here
  - \_\_\_\_\_ aid in \_\_\_\_\_, catching food, and \_\_\_\_\_
- \_\_\_\_\_ region – several \_\_\_\_\_
  - \_\_\_\_\_ – well developed

- \_\_\_\_\_ (2<sup>nd</sup> pair called “\_\_\_\_\_”)
- Paired \_\_\_\_\_
- \_\_\_\_\_ – nervous system with \_\_\_\_\_
- \_\_\_\_\_ region – location of \_\_\_\_\_ of jointed appendages – “\_\_\_\_\_”
- Crustaceans exhibit \_\_\_\_\_

### Muscular system

- \_\_\_\_\_ muscle
  - \_\_\_\_\_
- \_\_\_\_\_ arranged in \_\_\_\_\_ fashion
  - \_\_\_\_\_ – \_\_\_\_\_ body part \_\_\_\_\_
  - \_\_\_\_\_ – \_\_\_\_\_ appendage \_\_\_\_\_
- Strong \_\_\_\_\_ help in \_\_\_\_\_ (for escape)

### Digestive & Circulatory Systems

- Digestive tract – \_\_\_\_\_
  - “\_\_\_\_\_” grinds large particles
- Circulatory system – \_\_\_\_\_
  - \_\_\_\_\_ with several “\_\_\_\_\_” (openings) to receive \_\_\_\_\_
  - \_\_\_\_\_ is collected in a series “\_\_\_\_\_” (cavities in body)
  - \_\_\_\_\_ is pumped outward in \_\_\_\_\_

### Respiration & Excretion

- \_\_\_\_\_ exchange through feather-like \_\_\_\_\_
- “\_\_\_\_\_” function like \_\_\_\_\_ to filter waste from \_\_\_\_\_
  - \_\_\_\_\_ exits through \_\_\_\_\_ opening at \_\_\_\_\_, solid waste through \_\_\_\_\_ at \_\_\_\_\_, near tail

### Sexual Reproduction

- Sexes are separate (\_\_\_\_\_)
- \_\_\_\_\_ is \_\_\_\_\_
  - Aided by “\_\_\_\_\_”
  - \_\_\_\_\_ located near \_\_\_\_\_ walking leg
- \_\_\_\_\_ – egg laying from \_\_\_\_\_
  - \_\_\_\_\_ care for eggs after \_\_\_\_\_