

Phyla Mollusca, Echinodermata, and Arthropoda Review Sheet

1. Define:

- Trochophore larvae
- Foot
- Mantle
- Radula
- Visceral mass
- Dioecious
- Byssus
- Gills
- Adductor muscles
- Incurrent siphons
- Excurrent siphons
- Shell
- Ink sac
- Suckers
- Tentacles
- Tube feet
- Madreporite/ sieve plate
- Ring canal
- Radial canal
- Ampulla
- Pentamerous radial symmetry
- Water vascular system
- Endoskeleton
- Exoskeleton
- Malpighian tubules
- Photoreceptors
- Antenna
- Spiracles
- Sinuses
- Book lungs/gills
- Metamorphosis
- Tracheal system
- Compound eye
- Cephalothorax
- Swimmerets
- Chelicerae
- Pedipalps
- Complete metamorphosis
- Incomplete metamorphosis
- Molt

2. Know the characteristics of the 4 classes of mollusks.

3. Explain the process of filter feeding in the clam

4. Know the diagram of the clam

5. Know the diagram of the squid

6. Explain the characteristics of Echinoderms

7. Explain the ecological roles of mollusks & echinoderms

8. Know the answers to the Echinoderm worksheet

9. Know the characteristics of Arthropods

10. Explain the process of molting (growing a new exoskeleton)

11. Know the ecological & economic roles of Arthropods

12. Know the characteristics of the subphyla of Arthropods and the classes.

13. Know the typical body plan of Arthropods