Selected Review Questions Chapter 15

# 15.1

1. List and describe the main characteristics of the kingdom Animalia.

2. List the nine main life processes of animals.

# 15.2

1. Name the three kinds of symmetry, and draw a small picture demonstrating each one.

# 15.3 (none)

# 15.4

4. List four different cnidarians.

7. Poriferans and cnidarians can be called “tissue animals”. In what ways is this a good descriptive term for these animals?

# 15.5

1. What characteristics do worms from the various worm phyla have in common?

8. Most evolutionists claim that parasitic flatworms evolved from earlier, free-living forms, sometime after their vertebrate hosts appeared. Explain why this is devolution (devolving) and not evolution.

# 15.6

1. Give a general description of organisms in Phylum Nematoda.

# 15.7

1. Describe segmentation.

3. List 3 annelids other than the earthworm.

# 15.8

1. What characteristics do all mollusks share, that separate them from other animals?

Describe the distinct characteristics of cephalopods, bivalves, gastropods:

* Cephalopod
* Gastropod
* Bivalve

# 15.9

2. What distinguishes echinoderms from other animals?

3. List 3 examples of the phylum Echinodermata, other than the starfish.

# Vocab 15

Water-vascular system

Siphon

Echinoderm (features/examples)

Mollusk (features/examples)

Cephalopod, gastropod, bivalve

Ganglion (ganglia)

Open v. closed circulatory system

Annelida (features/examples)

Nematode (features/examples)

Platyhelminthes (features/examples)

Porifera

Cnidaria

Hermaphroditic

Parasitic

Regeneration

Hydrostatic skeleton

Nematocyst

Gastro-vascular cavity

Collar cells

Spicules

Radula

Bilateral v Radial symmetry

Endo v Exoskeleton

Vertebrate v Invertebrate

Ingestion and digestion

Respiration