Quiz 7 Notes

VOCABULARY

Phylum Mollusca – mollusks
- "*mollis*" means soft
- soft unsegmented body
- lack appendages
- often protected by a shell
- live in most environments
- "*pod*" means foot

Phylum Arthropoda – arthropods
- "*arthro*" means jointed
- jointed legs or appendages
- segmented body (usually three parts: head, thorax, abdomen)
- exoskeleton (outside the body)

Appendage – a projecting part with distinct appearance and function

Molting – the shedding of the exoskeleton so the organism can grow

Antennae – a pair of long, thin sensory appendages on the heads of some arthropods

Phylum Echinodermata – echinoderms
- "*echino*" means spiny
- "*derma*" means skin
- ONLY saltwater organisms
- five-part radial symmetry
- endoskeleton (inside the body)

Water Vascular System – a system of closed, fluid filled tubes that connect to tube feet; used in clinging, moving, feeding & respiration

Regeneration – can lose and regrow a body part

MOLLUSCA

FILL-IN-THE-BLANKS for the Classes of Mollusks:

1. **Gastropods** – *gastro-* means "__" so, gastropod means __
   - Examples: __
2. **Bivalves** – *bi-* means "__," *-valve* means "__" so, bivalve means __
   - Examples: __
3. **Cephalopods** – *cephalo-* means "__" so, cephalopod means __
   - Examples: __

ARTHROPODA

ADD the CHARACTERISTICS & EXAMPLES for each major group of Arthropods

- **Class Insecta** – (three characteristics)
  - Examples: __
- **Class Arachnida -** (four characteristics)
  - Examples: __
- **Sub-Phylum Crustacea** – (four characteristics)
  - Examples: __
- **Class Chilopoda –** (three characteristics)
  - Examples: __
- **Class Diplopoda** - (three characteristics)
  - Examples: __

ECHINODERMATA

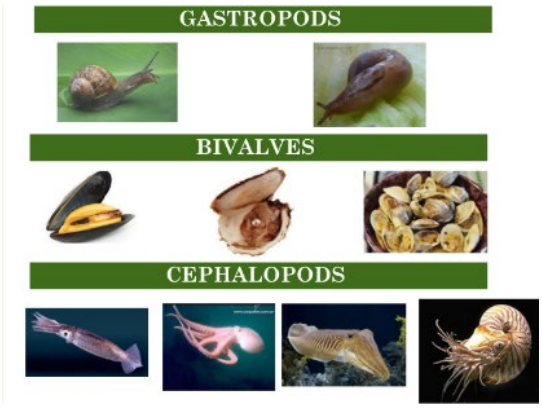
FILL-IN-THE-BLANKS about the Echinoderm's Body:
WATCH this video to help you complete this task: https://www.youtube.com/watch?v=K2G7L5hcEt8

The starfish's skeleton is found under the skin making it an __. The plates making up the skeleton are connected with __ to allow movement. A nerve ring serves as the __ of the starfish. Part of the water vascular system, __ __ are used by echinoderms for movement and feeding. __ is drawn into the body through the sieve plate to allow the water vascular system to function. When the bulb above each tube foot contracts, the tube foot is __. This happens in each of the __ of tube feet. To digest prey, the starfish's __ is moved out of the body.

EXAMPLES:

IMAGES for Each Phyla

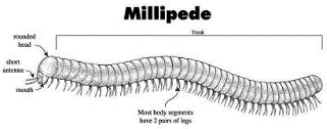
Mollusks:

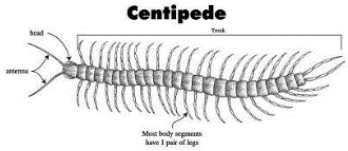


Arthropods: Insects:

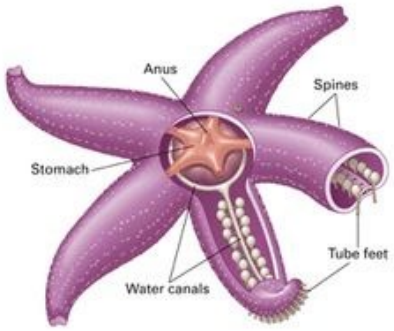
Arachnids:

Crustaceans:





Echinoderms:



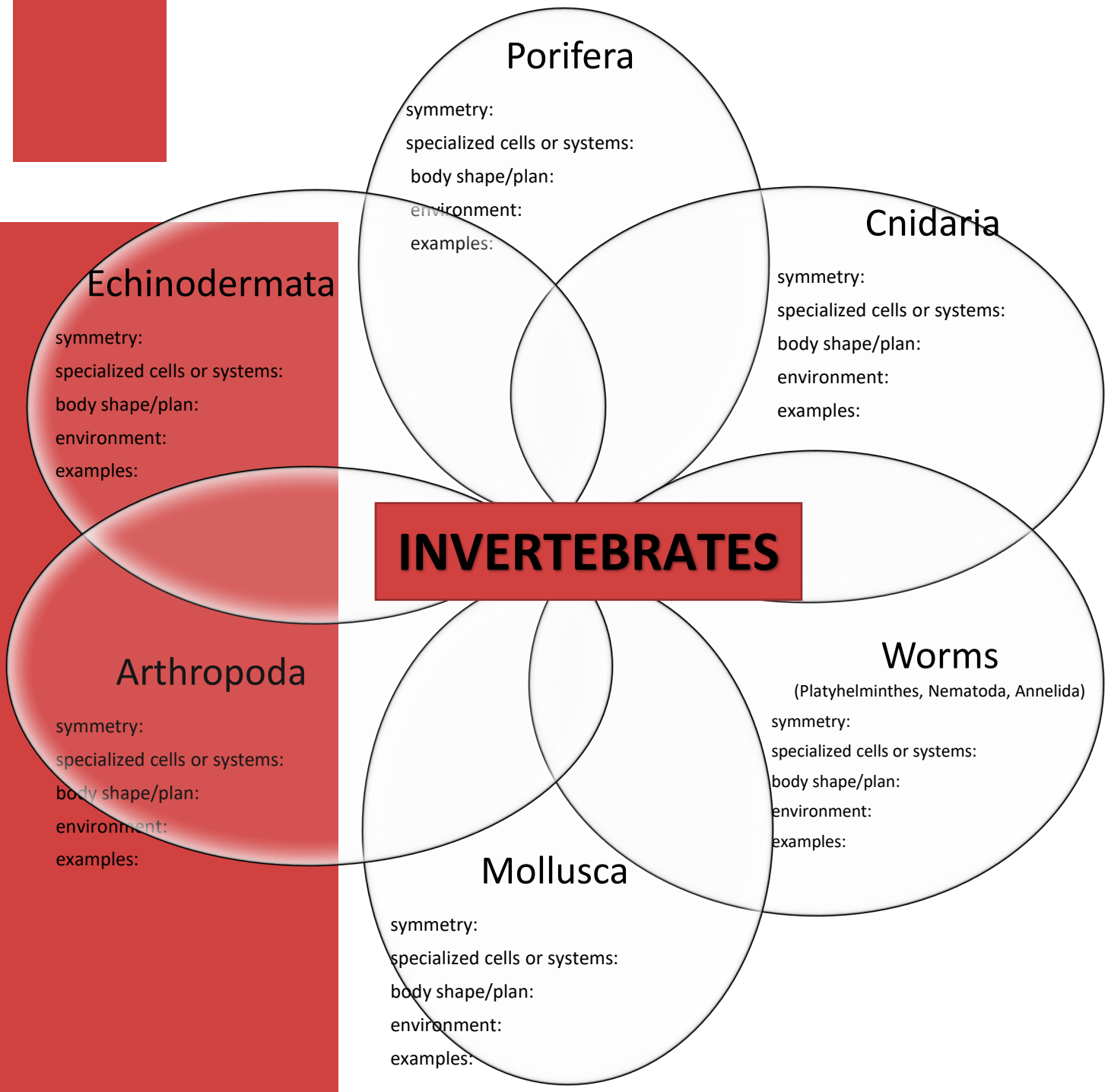
INVERTEBRATES: Compare & Contrast

COMPLETE this Venn Diagram

(on the NEXT PAGE)

This will be your REVIEW for the Quiz!

1. Complete each section for each Invertebrate group.
   - Include: symmetry, specialized cells and/or body systems, body shape/plan, environment, examples.
     - *You need to click in the text box next to each heading to enter answers in the Word document.*
2. Then, complete each "overlapping section" in list form below the Venn Diagram.
   - List similarities for the two groups.



OVERLAPPING SECTIONS (similarities)

Porifera and Cnidaria:

Cnidaria and Worms:

Worms and Mollusks:

Mollusks and Arthropods:

Arthropods and Echinoderms:

Echinoderms and Porifera: