



Shape of Life

Name _____ Date _____ Period _____

Phylum Echinodermata – Questions

Video Title: *Echinoderms: The Ultimate Animal Video* 13:54 minutes

1. Give the common names for the four major kinds of echinoderms
2. How do sea stars walk and grab?
3. What term describes how an animal grows new replacements for lost body parts?
4. What is similar about echinoderms and cnidarians? In what way does echinoderm symmetry differ from that of cnidarians?
5. Describe how some sea stars feed on mussels.
6. What structures are scattered between the spines of a sea star on its dorsal surface?
7. How could you investigate the activities of an animal that doesn't appear to move when you watch it?



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8. Define in your own words the vocabulary words at the end of the video.

Five-part symmetry:

Bony platelet:

Nerve ring:

Tube feet:

Sieve plate:

Radial canal:

Assimilate:

Supplementary Questions

1. How does a water-vascular system work?

2. How can a sea star be so flexible and then suddenly become as rigid as a rock?

3. What are the advantages and disadvantages to eating with an extendible stomach?

4. Are there benefits to being headless, brainless, and not bilaterally symmetrical? What are they?