

CLASSIFICATION WORKSHEET

Name _____

Directions: Answer all the questions on a scantron and turn in the scantron. Save the actual worksheet for your notes as a study supplement.

CRITTER CHART ONE

	CRITTER I	CRITTER II	CRITTER III	CRITTER IV
Phylum	Echinodermata			
Class			Asteroidea	
Order	Forcipulata	Forcipulata		
Family	Heliasteridae	Asteriidea		Heliasteridae
Genus	Pisaster	Orthasterias	Pisaster	Evasterias
species	ochraceus	koehleri	brevispinus	trochelii

Procedure: Using only the information in the chart above fill in as many boxes as you can. For items 1 - 5 use the Key below to answer the questions posed. Note that two letters precede some choices. If you select one of these, you must mark both letters. Key choices may be used once, more than once, or not at all.

- KEY:
- | | |
|------------------------|---------------------------------------|
| A. Critters I and II | AB. Critters III and IV |
| B. Critters I and III | AC. Critter I and any other Critter. |
| C. Critters I and IV | AD. Critter II and any other Critter. |
| D. Critters II and III | AE. Critter III and any other Critter |
| E. Critters II and IV | BC. Critter IV and any other Critter. |

1. According to the chart ABOVE which critters are most closely related?
2. According to the chart ABOVE which critters are most DISTALLY related?
3. According to the chart ABOVE which critters have the most structural characteristics in common?
4. According to the chart ABOVE which critters have the least structural characteristics in common?
5. According to the chart ABOVE which critters have the most genes in common?