Marine Science Unit 7 Learning Targets

Name_____ **Date**_____ **Test Date**_____

Topics to Master:

Evaluate your own progress by ✓ checking where you are: **B – Beginning of unit** **E –End of unit**		**Which Describes You?**				**What is my Evidence that I am Proficient?** **What activity did I complete that illustrates I know this concept?**
Learning Targets Based on Marine Science NGSSS		**1** **Emerging** I need help with this concept. 	**2** **Partially Proficient** I know / learned parts of this concept. 	**3** **Proficient** I know / learned this entire concept. 	**4** **Advanced** I can go beyond what was taught in class. 	
1. Differentiate between an invertebrate and a vertebrate.	**B**					
	E					
2. Discuss the difference in evolutionary advancement between lower and upper invertebrates.	**B**					
	E					
3. Compare and contrast the different types of symmetry and give an example of organisms with each type.	**B**					
	E					
4. Characterize and give examples of members of Phylum Porifera.	**B**					
	E					
5. Explain why Phylum Porifera is considered to be an evolutionary “dead end”.	**B**					
	E					
6. Describe several evolutionary trends in the animal kingdom.	**B**					
	E					

7. Characterize and give examples of members of Phylum Cnidaria	**B**					
	E					
8. Describe the life cycle of a jellyfish, differentiating between the **medusa** and **polyp** phases.	**B**					
	E					
9. Describe the four classes of Phylum Cnidaria, and give examples of each.	**B**					
	E					
10. Describe several ecological relationships common in the near-shore Gulf environment.	**B**					
	E					
11. Characterize and give examples of members of Phylum Platyhelminthes.	**B**					
	E					
12. Discuss the ecological and economic importance of sponges.	**B**					
	E					
13. Discuss the ecological and economic importance of cnidarians.	**B**					
	E					
14. Discuss the ecological and economic importance of flatworms in the marine environment.	**B**					
	E					
15. Compare and contrast the phyla Nematoda and Sipunculida.	**B**					
	E					
16. Explain the best way to treat a jellyfish (or other cnidarian) sting.	**B**					
	E					
17. Analyze ecological and trophic relationships among local Gulf organisms and apply this to proper salt water aquarium stewardship.	**B**					
	E					
18. Properly and accurately perform aquarium tests for salinity, ammonia, nitrite, nitrate and pH.	**B**					
	E					