

Course Title: Marine Science 2 Honors (edits)**Course Number: 2002530**

NGSSS Benchmark	Content Focus	Number of Questions	Suggested Cognitive Complexity per CPALMS
Reporting Category 1: Nature of Science			
SC.912.N.1.1	Describe how the process of science works starting from the formation of a question about the natural world to communication of results from a reliable experiment.	2	1 Level 2 1 Level 3
SC.912.N.1.2	Describe / explain the scientific method	1	1 Level 1
SC.912.N.1.4	Assess reliability of various sources and their usefulness to a scientific claim	2	1 Level 1 1 Level 2
SC.912.N.2.4	Explain how scientific knowledge is both robust and open to continual change as new discoveries arise	2-3	1 Level 1 2 Level 2
SC.912.N.3.1	Explain the formation of a theory.	1	1 Level 1
<i>Reporting Category Total</i>		9	
Reporting Category 2: Earth Systems and Patterns			
SC.912.E.7.2	Surface and deep water circulation influencing heat transport and global climate.	4	1 Level 1 3 Level 2 1 Level 3
SC.912.E.7.9	Ocean influence on climate through absorbing, and transporting heat, carbon, and water	5	1 Level 1 3 Level 2 1 Level 3
SC.912.L.18.12	Special properties of water that lead to Earth's suitability for life.	2	1 Level 1 1 Level 2
SC.912.E.7.8	How human behavior is influenced by atmospheric, hydrologic, oceanic conditions in the state of Florida.	1	1 Level 1
<i>Reporting Category Total</i>		12	
Reporting Category 3: Interdependence			
SC.912.L.17.4	Describe changes that take place in ecosystems due to succession.	10 8	3 Level 1 5 Level 2 2 Level 3
SC.912.L.17.5	How the carrying capacity of a population can change due to various factors: i.e. birth, death, immigration, emigration, and limiting factors	10 8	3 Level 1 5 Level 2 2 Level 3
SC.912.L.17.7	Characterize biotic and abiotic factors of the marine ecosystem.	4	2 Level 1 2 Level 2
SC.912.L.17.10	Diagram and explain the biogeochemical cycles including water, carbon, and nitrogen.	6 5	1 Level 1 4 Level 2 1 Level 3
<i>Reporting Category Total</i>		25	
Reporting Category 4: Human Impacts			
SC.912.E.17.16	Discuss the large-scale impacts of human activity: i.e. oil spills, runoff, greenhouse gases, and water pollution.	5-4	1 Level 1 3 Level 2 1 Level 3
<i>Reporting Category Total</i>		4	
Reporting Category 5: Technology			
SC.912.L.17.15	Discuss the impacts of technology on environmental quality. * No items	5	2 Level 1 2 Level 2 1 Level 3
<i>Reporting Category Total</i>			

Overall Percentage for Written Test: 100%

Overall Percentage for Performance Tasks: 0%