

Assignment Checklist Oceanography

Key
INTRO: Introduction, **WU:** Warm-Up, **CD:** Content, **PPT:** Presentation, **AC:** Application of Content, **S:** Summary, **GS:** Getting Started, **MS:** Module Summary, **MT:** Module Test, **MAA:** Module Authentic Assessment, **MSI:** Module Scientific Investigation

Topic/Page In Course	Activity Title	Activity Type	Total Points	Date Completed	Points Earned
Module 1: What is Oceanography?					
1.1 WU	The Formation of the Oceans	Video/Discussion			
1.1 AC	The Formation of the Oceans	Timeline			
1.2 WU	Branches of Oceanography	List			
1.2 AC	Advancements and Discoveries	Internet Research/Document			
1.3 AC	Towing for Plankton (Hands-On)	Scientific Investigation			
1.4 AC	Careers and Universities	Program Summaries			
MAA	Extra! Extra! A Day in the Life of an Oceanographer	Feature Story			
MT	Module Test	Test			
Module 2: The History of Oceanography					
2.1 AC	Oceanography Boat Challenge	Drawing/Model			
2.2 AC	Build a Working Compass Challenge	Compass/Map			
2.3 WU	Circumnavigate the World	Google Earth™			
2.3 AC	The Virtual Amazing Race	Google Earth™/Template			
2.4 AC	Explorer Microblog	Microblog Posts			
2.5 WU	Diving and Submersibles	Discussion			
2.5 AC	Diving Technologies	Paragraph			
2.6 AC	Just a Typical Day at the Office	Essay			

MAA	The History of Oceanography	Timeline			
MT	Module Test	Test			
Module 3: Geology					
3.1 AC	Isostasy Scientific Investigation (Hands-On)	Scientific Investigation			
3.2 WU	Pangaea and Continental Drift	Discussion			
3.2 AC	Travel to Sunny, Beautiful Pangaea!	Travel Guide			
3.3 AC	Construct a Model of Seafloor Spreading	Model			
3.4 AC	Plate Boundaries and Earthquake Data	Template			
MS	Course Survey	Survey			
MAA	Postcards from Pangaea!	Postcards			
MT	Module Test	Test			
Module 4: Bathymetry					
4.1 WU	Life On the Continental Margin	Reflection			
4.1 AC	Map of the Continental Margin	Labeled Map			
4.2 AC	Ocean Depth vs. Crust Age	Graph			
4.3 WU	Hydrothermal Vent-Dwelling Organism	Image/ Drawing			
4.3 AC	Mid-Ocean Ridges and Hydrothermal Vents	Online Encyclopedia Entry			
4.4 WU	Importance of Bathymetric	List			

	Mapping				
4.4 AC	Seamounts and Guyots Acrostic Poem	Acrostic Poem			
4.5 AC	Mariana and Puerto Rico Trenches Venn Diagram	Graphic Organizer			
MAA	Ocean Floor Expedition Travel Blog	Blog			
MT	Module Test	Test			
Module 5: Sedimentation					
5.1 AC	Hjulstrom Diagram and Wentworth Scale	Data Table and Analysis Questions			
5.2 WU	Sediment Near the Mississippi River Delta	List			
5.2 AC	Sediment on the Shelf (Hands-On)	Scientific Investigation			
5.3 AC	Deep Sea Sedimentation	Q and A			
5.4 WU	Gravel Extraction and NOAA	Reflection			
5.4 AC	Offshore Drilling	Discussion			
MS	Course Survey	Survey			
MAA	Extracting Sediments	Scientific Investigation Design			
MT	Module Test	Test			
Module 6: Ocean Water Chemistry					
6.1 AC	The Water Molecule	Billboard Design			
6.2 WU	Coastal Salinity Project	List			
6.2 AC	Dissolved Substances (Simulation)	Scientific Investigation			
6.3 AC	Structure of the Oceans	Magazine Article			

6.4 AC	Ocean Explorers Week Skit	Skit			
6.5 AC	The Water Cycle and Local Communities	Presentation			
6.6 AC	Desalinization Debate	Discussion			
MAA	Water Project	Webpage Design			
MT	Module Test	Test			
Module 7: Ocean Motion					
7.1 WU	Types of Currents	Reflection			
7.1 AC	Tides Magazine Fact Checker	Fact Checker			
7.2 AC	Salinity and Deep Ocean Currents (Hands-On)	Scientific Investigation			
7.3 WU	Waves Global Impact	List			
7.3 AC	Anatomy of a Wave Instructor's Diagrams	Diagramming and Labeling			
7.4 AC	Making Waves (Hands-On)	Scientific Investigation			
7.5 WU	Study the Hilo Tsunami	Reflection			
7.5 AC	Tsunami Warning PSA	Public Service Announcement			
7.6 AC	Tides Letter	Letter			
7.7 AC	Graphing the Tides	Graphing and Analysis			
MAA	Acme Ocean Cargo Transport	Presentation			
MT	Module Test	Test			
Module 8: Biological Oceanography					
8.1 WU	Criteria for Life	List			
8.1 AC	Criteria for Life	Debate Notecards			

8.2 AC	Five Kingdoms Cube	Cube Model			
8.3 AC	Marine Organism Adaptations Diagram	Graphic Organizer			
MS	Course Survey	Survey			
MAA	Marine Life Magazine	Magazine Cover			
MT	Module Test	Test			
Module 9: Marine Ecology					
9.1 WU	What Is Productivity?	Reflection			
9.1 AC	Primary Production Exhibit	Museum Exhibit			
9.2 AC	Oceanic Feeding Relationships Pyramid	Graphic Organizer			
9.3 WU	Types of Relationships	Thinking			
9.3 AC	Marine Relationships Comic	Comic Strip			
9.4 AC	Marine Communities Advertisement	Travel Advertisement			
MAA	Marine Ecology App Design	Application Design			
MT	Module Test	Test			
Module 10: Environmental Oceanography					
10.1 WU	Pollution Drawing	Sketch			
10.1 AC	Oil Spill Clean-Up (Hands-On)	Scientific Investigation			
10.2 AC	Do You Believe In Global Warming?	Discussion			
10.3 WU	Fishing Laws	Reflection			
10.3 AC	Overfishing	Crossword Puzzle Design			

10.4 AC	Marine Sanctuary DVD Cover	DVD Cover Design			
10.5 WU	Mahatma Gandhi Quote About Change	Discussion			
10.5 AC	Ocean-Friendly Home Audit Survey	Questionnaire			
MS	Course Survey	Survey			
MAA	Environmental or Community Organization Volunteer	Volunteer Opportunity			
MT	Module Test	Test			