

Unit 7: Oceans & Climate

Learning Targets Guide

Self Evaluation			Learning Targets	Date
I've got it! <input type="checkbox"/>	I've sort of got it. <input type="checkbox"/>	I don't get it. <input type="checkbox"/>	E2.1B: I can analyze the interactions between the major systems (geosphere, atmosphere, hydrosphere, biosphere) that make up the Earth.	
Example or Explain:				
I've got it! <input type="checkbox"/>	I've sort of got it. <input type="checkbox"/>	I don't get it. <input type="checkbox"/>	E2.1C: I can explain, using specific examples, how a change in one system affects other Earth systems.	
Example or Explain:				
I've got it! <input type="checkbox"/>	I've sort of got it. <input type="checkbox"/>	I don't get it. <input type="checkbox"/>	E2.2C: I can describe natural processes in which heat transfer in the Earth occurs by conduction, convection, and radiation.	
Example or Explain:				
I've got it! <input type="checkbox"/>	I've sort of got it. <input type="checkbox"/>	I don't get it. <input type="checkbox"/>	E2.2e: I can explain how energy changes form through Earth systems.	
Example or Explain:				
I've got it! <input type="checkbox"/>	I've sort of got it. <input type="checkbox"/>	I don't get it. <input type="checkbox"/>	E4.2A: I can describe the major causes for the ocean's surface and deep water currents, including the prevailing winds, the Coriolis effect, unequal heating of the Earth, changes in water temperature and salinity in high latitudes, and basin shape.	
Example or Explain:				

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I've got it! <input type="checkbox"/>	I've sort of got it. <input type="checkbox"/>	I don't get it. <input type="checkbox"/>	E4.2b: I can explain how the interactions between the oceans and the atmosphere influence global and regional climate; including the major concepts of heat transfer by ocean currents, thermohaline circulation, boundary currents, evaporation, precipitation, climate zones, and the ocean as a major carbon dioxide reservoir.	
Example or Explain:				
I've got it! <input type="checkbox"/>	I've sort of got it. <input type="checkbox"/>	I don't get it. <input type="checkbox"/>	E4.2c: I can explain the dynamics (including ocean-atmosphere interactions) of the El Niño Southern Oscillation (ENSO) and its effect on continental climate.	
Example or Explain:				
I've got it! <input type="checkbox"/>	I've sort of got it. <input type="checkbox"/>	I don't get it. <input type="checkbox"/>	E4.2d: I can identify factors affecting seawater density and salinity and describe how density affects oceanic layering and currents.	
Example or Explain:				
I've got it! <input type="checkbox"/>	I've sort of got it. <input type="checkbox"/>	I don't get it. <input type="checkbox"/>	E4.2e: I can explain the differences between maritime and continental climates with regard to oceanic currents.	
Example or Explain:				
I've got it! <input type="checkbox"/>	I've sort of got it. <input type="checkbox"/>	I don't get it. <input type="checkbox"/>	E4.2f: I can explain how the Coriolis Effect controls oceanic circulation.	
Example or Explain:				