Name

surface currents

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salinity

Arctic Dynamics

Directions: Use the word bank to complete each sentence. Write the correct term on each blank line.

	sea ice	temperature	
	thermohaline circulation	brine	
	freshwater	deep water	
	density	melting	
1.	The Arctic Ocean has lower other oceans because melting ice ad	3	
2.	When sea ice forms, saltybelow, increasing its salt content.	sinks into the water	
3.	Colder water has a highersink and form deep water layers.	which causes it to	
4.	The movement of ocean water caused by both temperature and salinity differences is called		
5.	As Arctic temperatures rise, increased ice adds more freshwater to the surface		
6.	The addition of can weaken the formation of deep cold layers in the Arctic Ocean.		
7.	move water across the top layer of the		
	Arctic and can push ice toward or aw	ay from coastlines.	
8.	The formation ofsurface and reflect sunlight.	helps cool the ocean	
9.	Warmersinking of cold water below.	_ near the surface can slow the	
10	forms w	hen the coldest, saltiest water sinks in	
	the Arctic, contributing to global ocea	an patterns.	

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