



ARCTIC OCEAN  
SCIENTIFIC ADVENTURES

EDUCATIONAL  
PACKAGE

NO.03

General concepts  
of the Arctic Ocean



Don't write too big or  
you will not have  
enough space to clearly  
identify all of the  
elements.

TRAFFIC IN OCEAN  
CIRCULATION

1. What is meant by thermohaline?

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2. What controls ocean  
circulation?

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3. Complete the sentences by  
inserting the following terms at  
the appropriate places:

currents - phytoplankton - food  
chain - exchange - oceanogra-  
phers - nutrients - stratification

\_\_\_\_\_ and \_\_\_\_\_  
are interested in ocean \_\_\_\_\_  
because \_\_\_\_\_ supply  
necessary \_\_\_\_\_ to \_\_\_\_\_.  
The food web depends on the  
mixing and exchange between  
strata in the water column.

4. Why is the Arctic Ocean more  
stratified than the Atlantic  
Ocean?

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5. Imagine that the following  
diagram is a jar containing  
different types of water:

- warm freshwater (red)
- cold saltwater (green)
- warm saltwater (yellow)
- cold freshwater (blue)

Color areas with the appropri-  
ate color.



5.

