

# Circulation of the Seas

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Name

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Date

## **PART A:** **Water-Flow Predictions**

I predict that the *cold, salty blue water* will flow...

Because...

I predict that the *hot, fresh red water* will flow...

Because...

**PART B:**  
**Water-Flow Observations**

Observations of the <i>cold, salty blue water</i>	Observations of the <i>hot, fresh red water</i>

**PART C:**  
**Water Characteristics**

Characteristics that make water denser (sink):	Characteristics that make water less dense (rise):

**PART D:**  
**Thermohaline Circulation Diagram**

Complete each statement by circling the correct response. Then, add labeled arrows to the Ocean Conveyor Belt image to show where water is rising or sinking.

Near the poles, the temperature is: **Warm / Cold**

As ice forms, the leftover water gets: **Saltier / Less salty**

And this water: **Sinks / Rises**

Near the equator, the temperature is: **Warm / Cold**

Compared to the poles, this water is: **Saltier / Less salty**

And this water: **Sinks / Rises**

