

Oceanography

OCEAN CURRENTS

What two main factors affect the density of ocean water?

SALINITY:

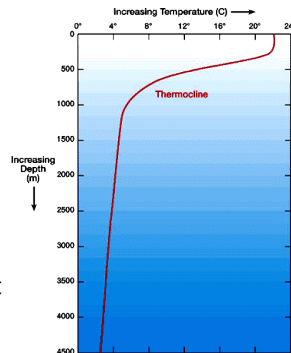
What is salinity?

What is the average salinity of the ocean?

What are the factors that affect salinity:

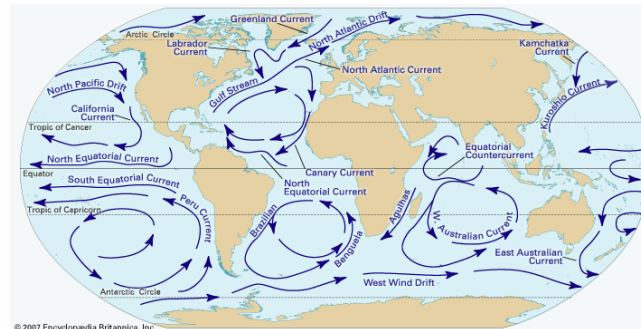
TEMPERATURE:

Explain the significance of this graph.



What two factors affect ocean temperature?

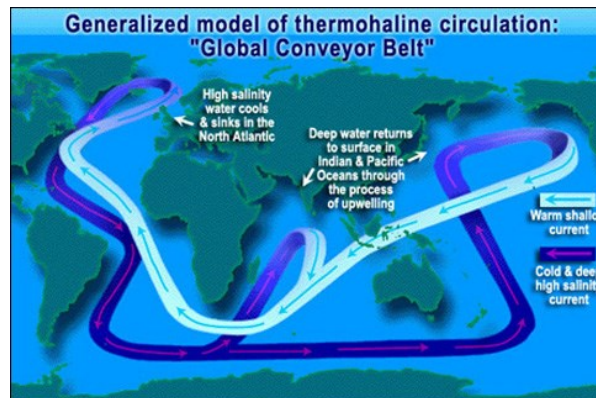
A graph similar to this one could be created for the density of ocean water. What would the thermocline line be called on that graph?



What is a gyre?

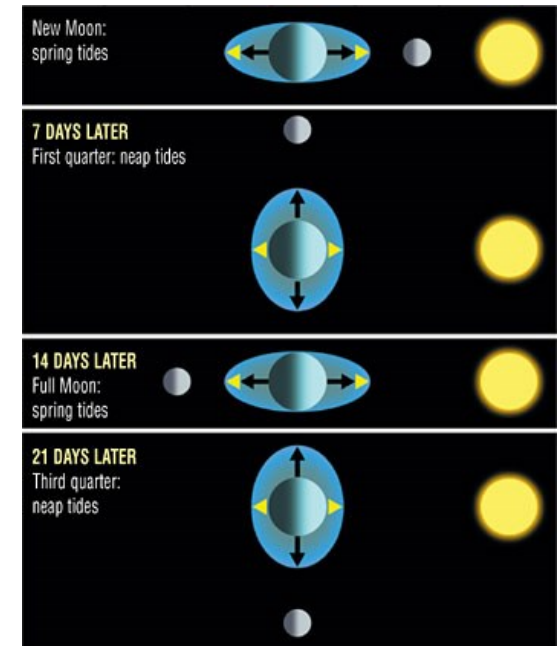
What are the 4 main ocean gyres?

What is the main factor that causes the surface currents?



Explain how deep ocean currents are different than surface currents.

Spring vs Neap Tides



Explain each of the following:

Spring tide:

Neap tide:

3 Tidal Patterns: