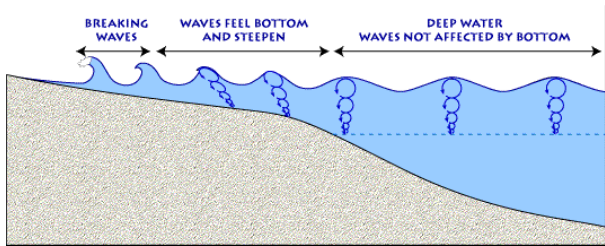
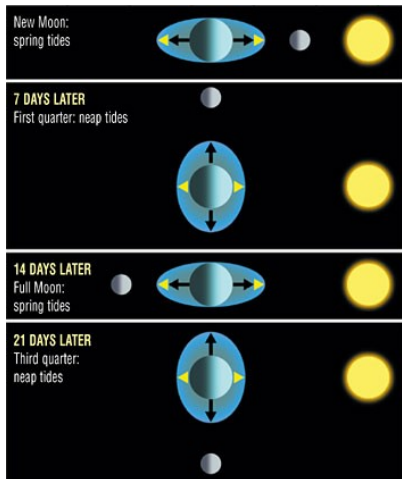


- Wavelength -
- Crest -
- Trough -
- Wave heights -
- Wave period -

What factors determine the characteristics of a wave?



Describe the process shown in the diagram above.



Spring tide:

Neap tide:

3 Tidal Patterns:

Terms to Know

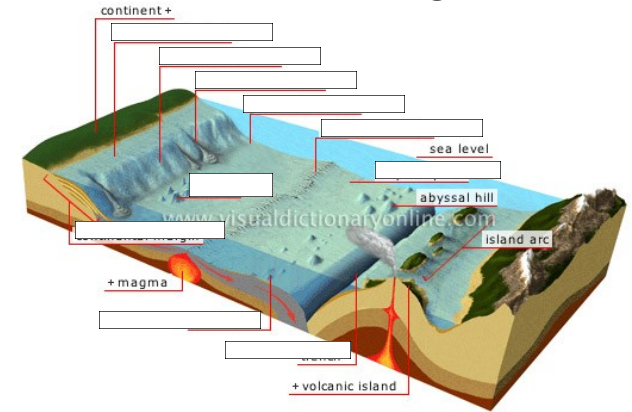
- | | |
|--------------------|------------------|
| Barrier island | Upwelling |
| Beach | Plankton |
| Longshore currents | Nekton |
| Abyssal plain | Benthos |
| Bathysphere | Surface currents |
| Continental margin | Deep currents |
| Continental rise | Coriolis effect |
| Continental shelf | Gyres |
| Continental slope | Gulf stream |
| Guyot | Waves |
| Mid-ocean ridge | Crest |
| Seamount | Trough |
| SONAR | Wave height |
| Submarine canyon | Wavelength |
| Trench | Wave period |
| Turbidity current | Fetch |
| Ocean water | Breaker |
| Salinity | Tides |
| Pack ice | Spring tide |
| Thermocline | Neap tide |

Oceanography

Name the four MAIN ocean basins & give one fact about each:

- 1.
- 2.
- 3.
- 4.

Ocean Floor Diagram



Label the drawing above with these terms:

- | | |
|--------------------|------------------|
| Abyssal plain | Guyot |
| Continental margin | Seamount |
| Continental rise | Submarine Canyon |
| Continental shelf | Trench |
| Continental slope | |

What is the DIFFERENCE between:

1. continental margin, rise, shelf, & slope:
2. submarine canyon & turbidity current:
3. seamount & guyot:
4. trench & mid-ocean ridge



Name and Describe the Ocean Floor Sediments:

- 1.
- 2.
- 3.

What two main factors affect the density of ocean water?

SALINITY:

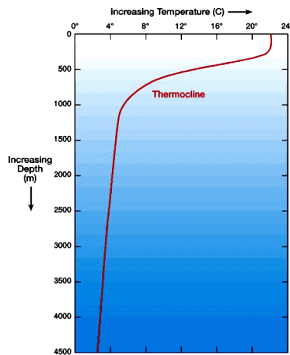
What is salinity?

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?

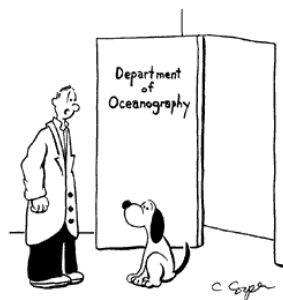
What do plankton, nekton, and benthos have in common?

How are they different from each other?

Divisions of the Ocean

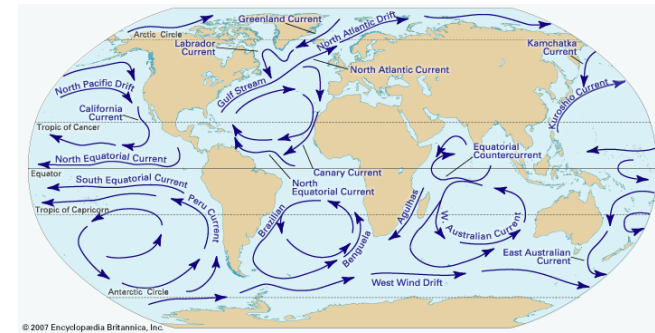
1. Availability of Sunlight:
 - a.
 - b.
2. Distance from Shore:
 - a.
 - b.
 - c.
3. Water Depth:
 - a.
 - b.

What is the difference between chemosynthesis and photosynthesis?



"I'm sorry. The ad said we need a whale tagger. Not a tail wagger."

OCEAN CURRENTS

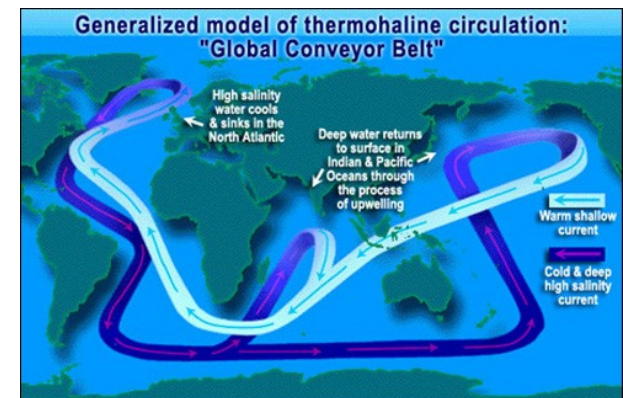


What is a gyre?

What are the 4 main ocean gyres?

What is the main factor that causes the surface currents?

What other factors also play a role?



Explain how deep ocean currents are different than surface currents.