

## **Oceanography Study Notes**

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Use it to complete your copy of the study notes.

1. Outgassing by volcanoes and ice from comets were the two sources of water that created Earth's oceans.
2. The ocean zone that receives the most solar energy and is home to the most diverse ocean life forms is the pelagic zone.
3. Gases dissolve most easily in cold ocean water.
4. Raising aquatic plants and animals for human consumption is aquaculture.
5. Cold ocean water sinks and moves through the ocean basins.
6. Tides are caused by the pull of gravity from the moon and sun.
7. The main source of energy for the ocean is the sun.
8. Scientists and governments have worked to reduce pollution by banning DDT and reducing leaded gasoline use in the United States.
9. The ocean water mixture that has the greatest density is cold with high salinity.
10. Deep currents are caused by differences in density of ocean water.
11. Upwelling's bring nutrients up from deeper water for use by organisms.
12. Organisms living in the inter-tidal zone (area between low and high tides) must be able to survive out of water.
13. Salinity is the amount of dissolved salts and other solids in a given amount of liquid.
14. The main cause of Earth's surface currents is the prevailing winds.
15. Organisms living on the deep seafloor must survive with no light and very high pressure.
16. Plankton is the foundation of life in the ocean because they form the base of the ocean food chain.
17. Fish populations can collapse if the oceans are overfished.
18. Early volcanoes added gasses to create Earth's first atmosphere.
19. Wind energy makes waves larger.