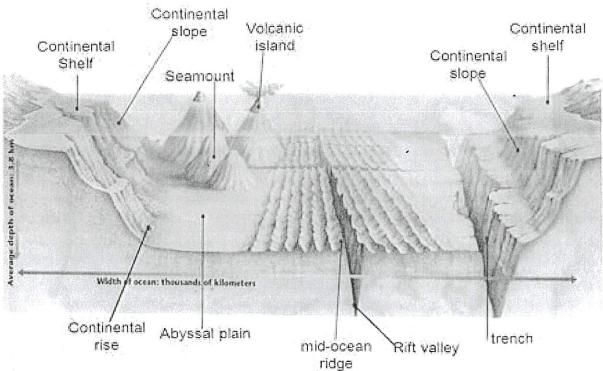
Chemical Composition of Ocean Water	
What does the word composition mean?  What does the word composition mean?	up of its parts
ex: composition of cake - eggs	Hour, Water, sugar
synonyms: structure, parts, ci	mponents, pieces, content
Label the diagram below using the power point.	
v	,
Sea salts	Sea water
Chloride	DELIVERSOFT FORTAXALDA
	0, 69
	96.5%
0.110010	Water
Sulfate	
Sodium Sodium	
Other	
	7 3.5% Salt
Salanity:	5.5 % SWA
Salinity is the total amount of solid mat	erial dissolved in water. Because the proportion
of dissolved substances in seawater is such a small n	umber, oceanographers typically express
Sali Nity in parts per thousand Sodium Chloride, common tab	S. Most of the salt in seawater is
From precipitation to the land to the rivers to the sea	
The <u>l`UU(l`)</u> that falls on the land contains some of surrounding air. This causes the rainwater to be slight	
ala va in all	ahamiaalli
down the rocks. Rain then carries the dissolved salts	
the runoff are carried to the $\underline{STCOMS}$ and $\underline{\Gamma}$	
Many of the dissolved salts are used by OOONS	$\mathcal{N}$ in the ocean and are removed from the
water. Others are not used up and are left for long p	eriods of time where their concentrations

Salt from below...

These Left are the "exit points" on the ocean floor from which sea water that has seeped
from the crust, and then flows back into the ocean.
Eruption of Volcanoes Underwater
Similar to the previous process, during an underwater volcano <u>Pruption</u> , seawater reacts with hot rock and some minerals are <u>dissolved</u> into the sea water.
Processes affecting salanity,
Processes that decrease salinity:  Precipitation, ice melting icebergs metting,  rundff from land
Processes that increase salinity: <u>evaporation</u> , formation of Seaice
Underwater Explorer
Some parts of the ocean are too deep for humans and so they must use special underwater equipment.  Humans and so they must use special underwater equipment.  has been used to search for sunken ships, recover lost hydrogen bombs, and explore landforms on the ocean floor.
Viewing the ocean floor with sonar
SONAK (sound navigation and ranging) is a technology based on echo-ranging behavior of bats.
We are can measure the ocean's depth with sonar by sending high frequency sound <u>WAVES</u> to the ocean floor.  The <u>Sound Dounces</u> off the ocean floor and back to the boat.

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## The Ocean Floor



can range from a few kilometers to 1,300	_ A gradually sloping area that edges each continent. It skilometers.	
continental slope.	_ The gradual drop off from the continental shelf that leads	
to the deep ocean floor. It reminds me o	of the transition from the shallow end to the deep end in a	
pool.		
continental rise	_The gently sloping base of the continental slope.	
Abyssol plains	_ Relatively flat layer covered in a thick layer of sediment at	
the base of the continental rise.		
seamount	_ Cone shaped undersea mountains of volcanic origins. The	
Hawaiian islands began as seamounts.		
volcanic islands	Mountains of volcanic origins that have broken the	
surface of the water. An example are the Hawaiian Islands.		
rift valley	The deep undersea valley at the mid-ocean ridge.	
trench	These are deep canyons caused at subduction zones in	
the ocean.		
Mid-ocean ridge	_ The underwater mountain chain the winds through the	
ocean where divergent plate boundaries pull apart.		