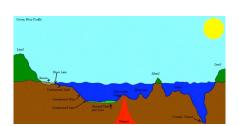
## **Subsurface Topography**

S6E3. Obtain, evaluate, and communicate information to recognize the significant role of water in Earth processes.

A. Ask questions to determine where water is located on Earth's surface (oceans, rivers, lakes, swamps, groundwater, aquifers, and ice) and communicate the relative proportion of water at each location.

C. Ask questions to identify and communicate, using graphs and maps, the composition, location, and subsurface topography of the world's ocean.



Term	Info	Picture
Pacific Ocean	The largest and deepest ocean in the world	Pacific Ocean
Arctic Ocean	Ocean found at the North Pole	- T-
Atlantic Ocean	The second largest ocean, the ocean found on the coast of Georgia	Atlantic Ocean
Mid-Ocean Ridge	Located at the middle of an ocean floor Location of seafloor spreading. Divergent plate boundary.	
Volcanic Island	Island formed from a volcano. Rises above sea level.	
Seamount	An underwater mountain. A SINGLE underwater mountain.	Ocean Surface  SEAMOUNT
Continental Shelf	The first part you walk out onto in the ocean.	
Continental Slope	The area where the continental shelf slopes downward towards the deep ocean floor.  Between the continental shelf and continental rise.	Continental shelf  Continental slope  Continental rise  Continental rise  Oceanic crust

Term	Info	Picture
Continental rise	Area between the continental slope and abyssal plain.	submarine canyon shoreline
Abyssal plain	A large plain (flat) area of the ocean floor. Silt and sediment settles on the abyssal plain. Between the continental rise and mid-ocean ridge or the mid-ocean ridge and ocean trenches. 40% of the ocean floor.	abyssal plain continental shelf slope  continental slope  continental slope  continental slope  continental slope  continental slope  slope  © 2006 Encyclopædia Britannica, Inc.
Ocean trench	Convergent boundary between oceanic and continental crust. Subduction occurs, the more dense oceanic crust sinks below the continental crust. Very deep area of ocean.	0
Salinity	The amount of salt in water. "Saltiness"	Salinity of the Oceans  Key  Type of all age followed by the same of the same
Subsurface Topography	The study of the surface of the ocean floor; topography studies the shape of the land.	200 m Continuedal Sharif Continuedal Sharif A 2000 to 3, 5000 m Continuedal Rham A 2000 to 6, 5000 m Continuedal Rham A 2000 to 6, 5000 m Continuedal Rham A 2000 to 6, 5000 m
Rift Valley	Lowland region between two divergent tectonic plates.	Rift Valley (African rift valley)
SONAR	"Sound Navigation And Ranging" Maps the ocean floor using sound waves. It measures the time it takes for the sound to travel to and from a feature on the ocean floor.	
Southern Ocean	Ocean by Antarctica. Newest named ocean, in Geography it considered to just be part of the Pacific and Atlantic. but a separate ocean by Oceanographers.	Southern Ocean

Term	Info	Picture
Indian ocean	Ocean south of Asia/surrounding India. Third largest ocean.	ALTIMORIA CALICITI MORESSA INDIAN OCEAN

## **Learning Targets:**



- 2. I can compare the oceans in terms of depth and area.
- 3. I can describe the composition of ocean water.
- 4. I can describe the ocean floor.
- 5. I can compare the subsea topography and land topography.
- 6. I can compare and contrast ridges and trenches in terms of formation and function.

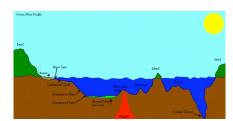


## **Subsurface Topography**

S6E3. Obtain, evaluate, and communicate information to recognize the significant role of water in Earth processes.

A. Ask questions to determine where water is located on Earth's surface (oceans, rivers, lakes, swamps, groundwater, aquifers, and ice) and communicate the relative proportion of water at each location.

C. Ask questions to identify and communicate, using graphs and maps, the composition, location, and subsurface topography of the world's ocean.

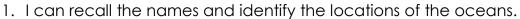


Term	Info	Picture
Pacific Ocean		Pacific Ocean
Arctic Ocean		- 1- 12 miles
Atlantic Ocean		Atlantic
Mid-Ocean Ridge		
Volcanic Island		
Seamount		Ocean Surface  SEAMOUNT ► - 5,000 ft.  Abyssal Plain 10,000 ft.  0 10 20 30 40 50  Nautical Miles
Continental Shelf		Continental shelf
Continental Slope		Continental slope  Continental rise  Continental rise  Oceanic crust

Term	Info	Picture
Continental rise		submarine canyon shoreline
Abyssal plain		abyssal plain  continental slope  continental slope  © 2006 Encyclopædia Britannica, Inc.
Ocean trench		2000 — Mt. Everest  4000 — (8848 meters above sea level)  6000 — Sea level)  11,035 — Challenger 11,035 meters below sea level
Salinity		Salinity of the Oceans  Key Properties of all pre 500 Properties of al
Subsurface Topography		Sea Sorters  Sea Sorters  Continental Steps  Continental Steps  2,000 to 0,000 m  Anyoned Plain  Constructed
Rift Valley		Rift Valley (African rift valley)
SONAR		
Southern Ocean		Southern Ocean

Term	Info	Picture
Indian ocean		CALCUT CALCUT MARCON INDIAN OCEAN

## **Learning Targets:**



- 2. I can compare the oceans in terms of depth and area.
- 3. I can describe the composition of ocean water.
- 4. I can describe the ocean floor.
- 5. I can compare the subsea topography and land topography.
- 6. I can compare and contrast ridges and trenches in terms of formation and function.

