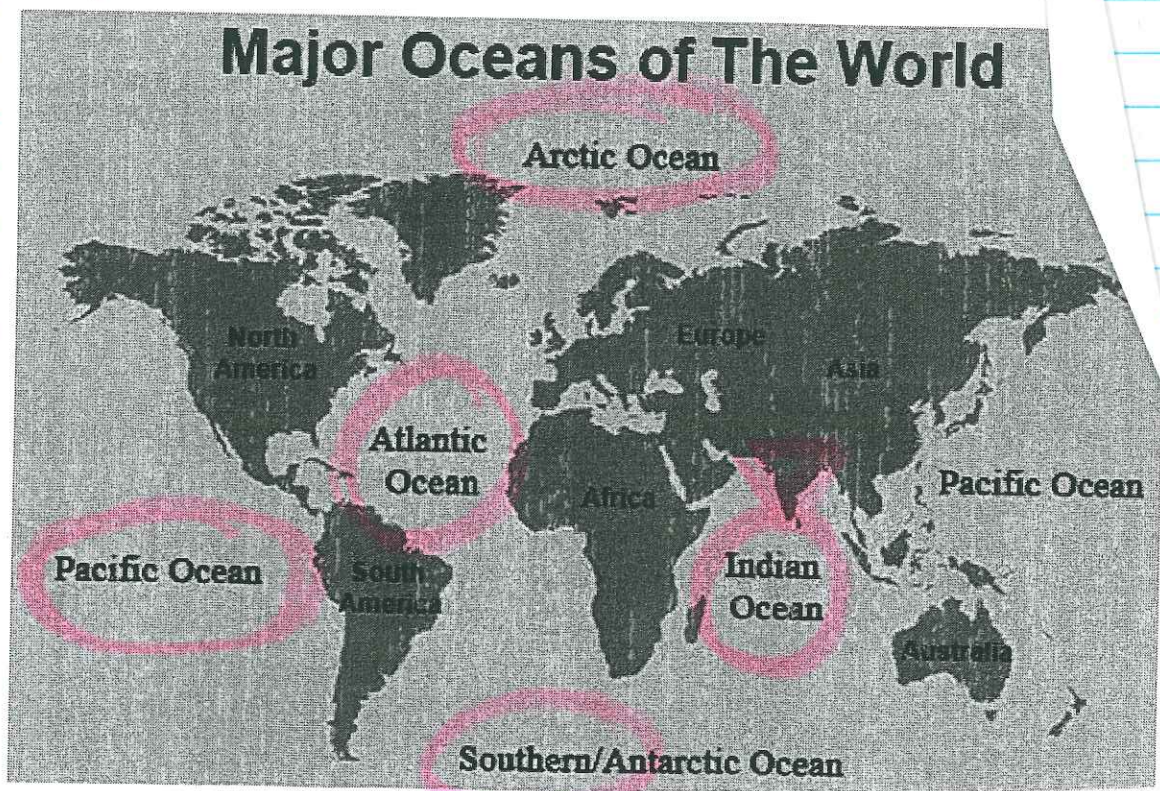


# Oceans

Oceanography - the study of the ocean.

Oceanographer - scientist

- ★ 70% of the Earth's surface are oceans.
- ★ There are 5 major oceans

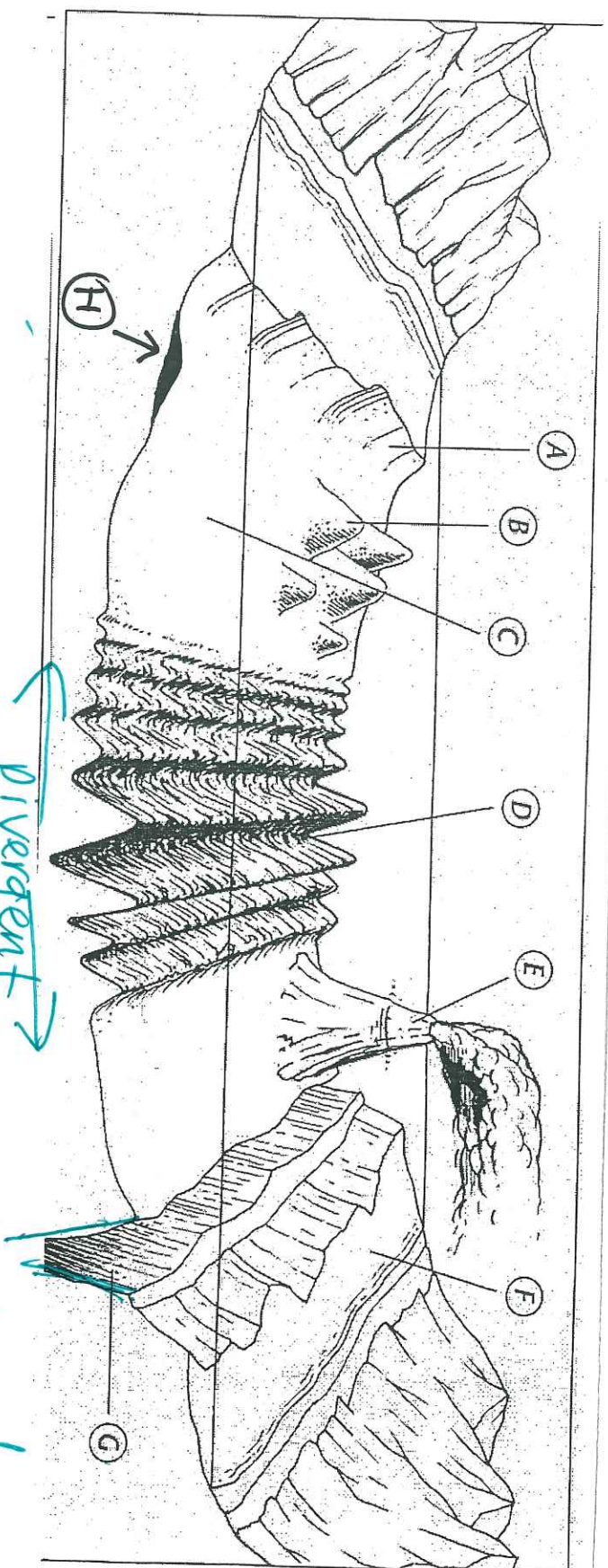


# Ways the Oceans Move

- ① Waves → caused by wind.
- ② Tides → caused by gravity from the moon.
- ③ Currents → caused by ① wind, ② temperatures and ③ salinity

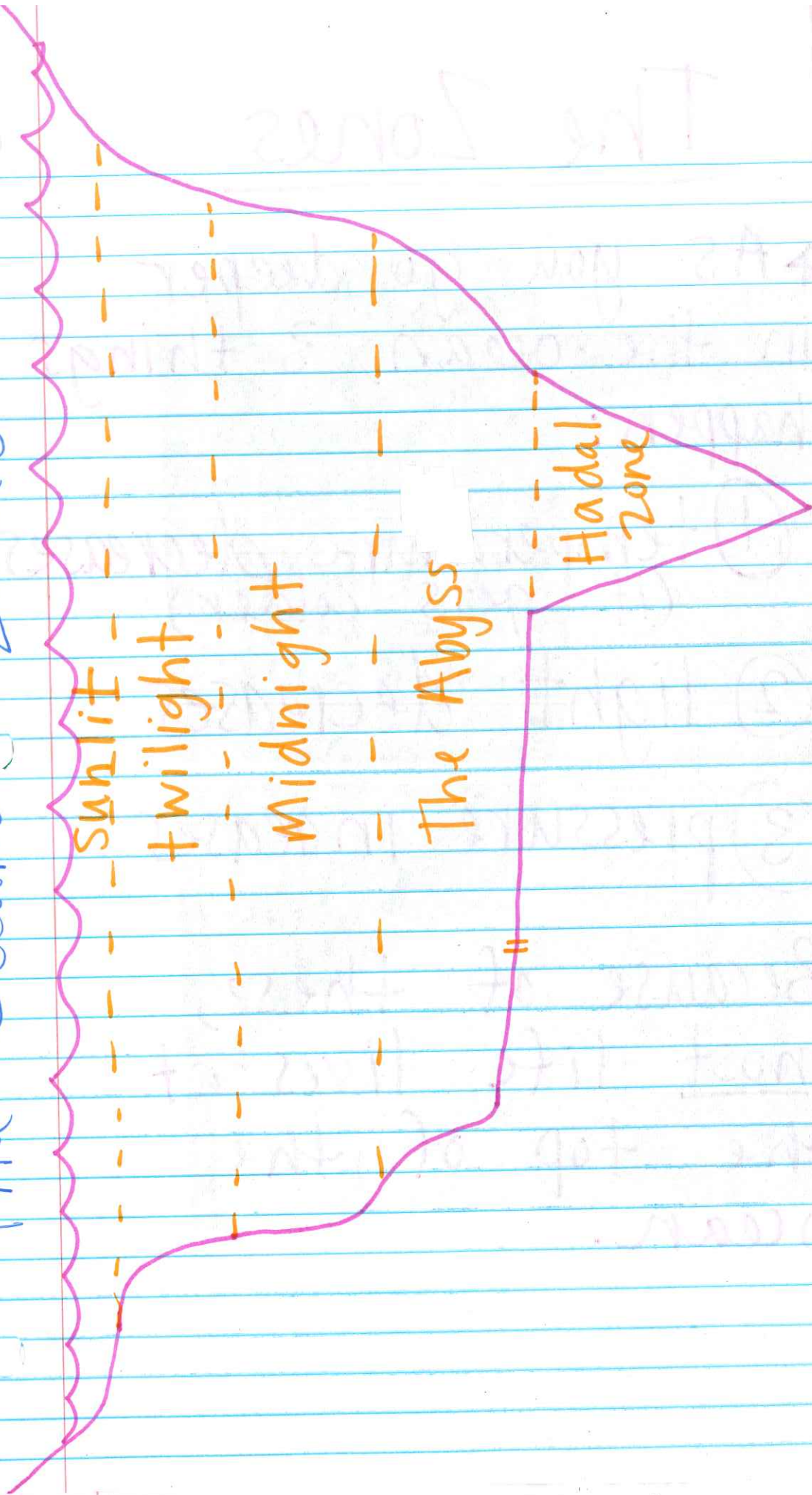
salinity how salty the water is.

Label the parts of the ocean floor.



- (A) Continental Slope
- (B) Sea mounts
- (C) Abyssal plain
- (D) Mid-Ocean Ridge
- (E) Volcanic island
- (F) Continental Shelf
- (G) Trench
- (H) Continental Rise

# The Ocean's Zones



# The Zones

★ AS you go deeper in the ocean, 3 things happen:

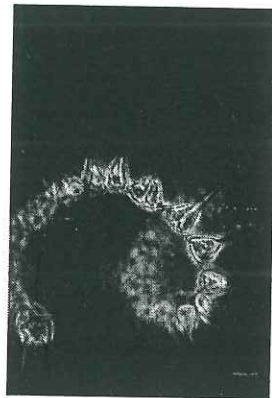
- ① temperature decreases  
(it gets colder)
- ② light decreases
- ③ pressure increases

Because of these,  
most life lives at  
the top of the  
ocean.

The ocean has a vast collection of  
living things in it!



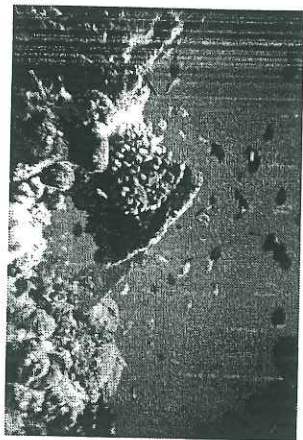
Mammals



Plants



Invertebrates



Fish



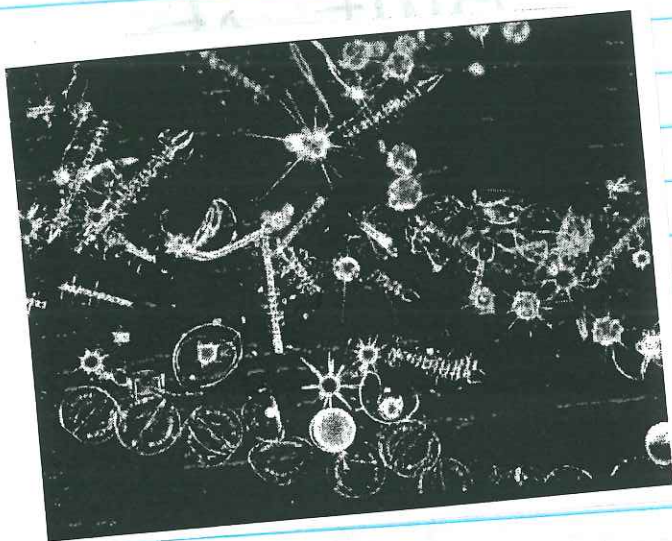
Reptiles

# Plankton

starts the food chain

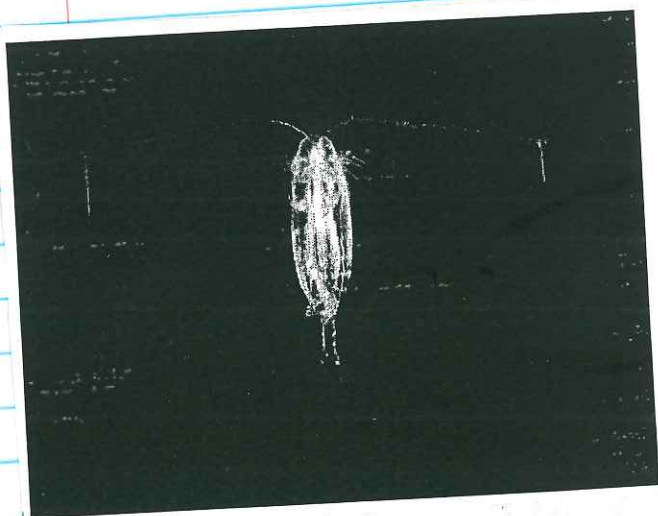
★ The base (bottom) of the ocean's food chain

★ It's microscopic unless many are together.



## Phytoplankton

- Plant-like
- uses photosynthesis

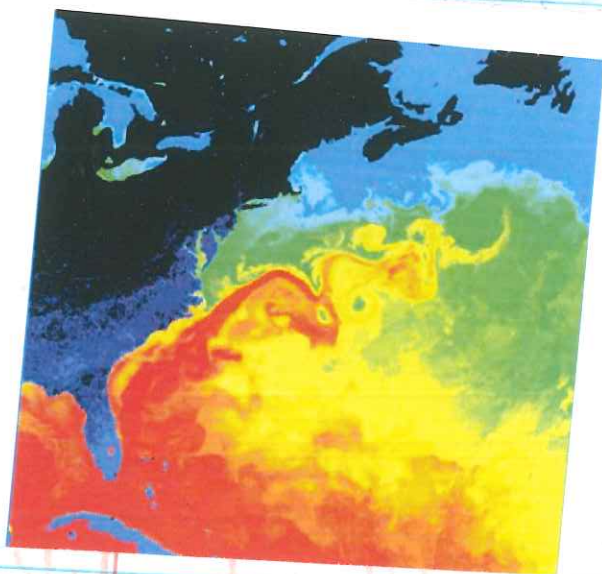


## Zooplankton

- Animal-like
- They must eat food.
- Both live in sunlit zone

the cell.

# The Gulf Stream



A current that flows from the Gulf of Mexico north up the coast and then towards Europe.