

### Ride the Current

Guiding Question: Why do turtles and sharks follow patterns in the ocean instead of moving randomly?

Map Observations: Draw and compare turtle/shark paths, ocean currents, and wind patterns.

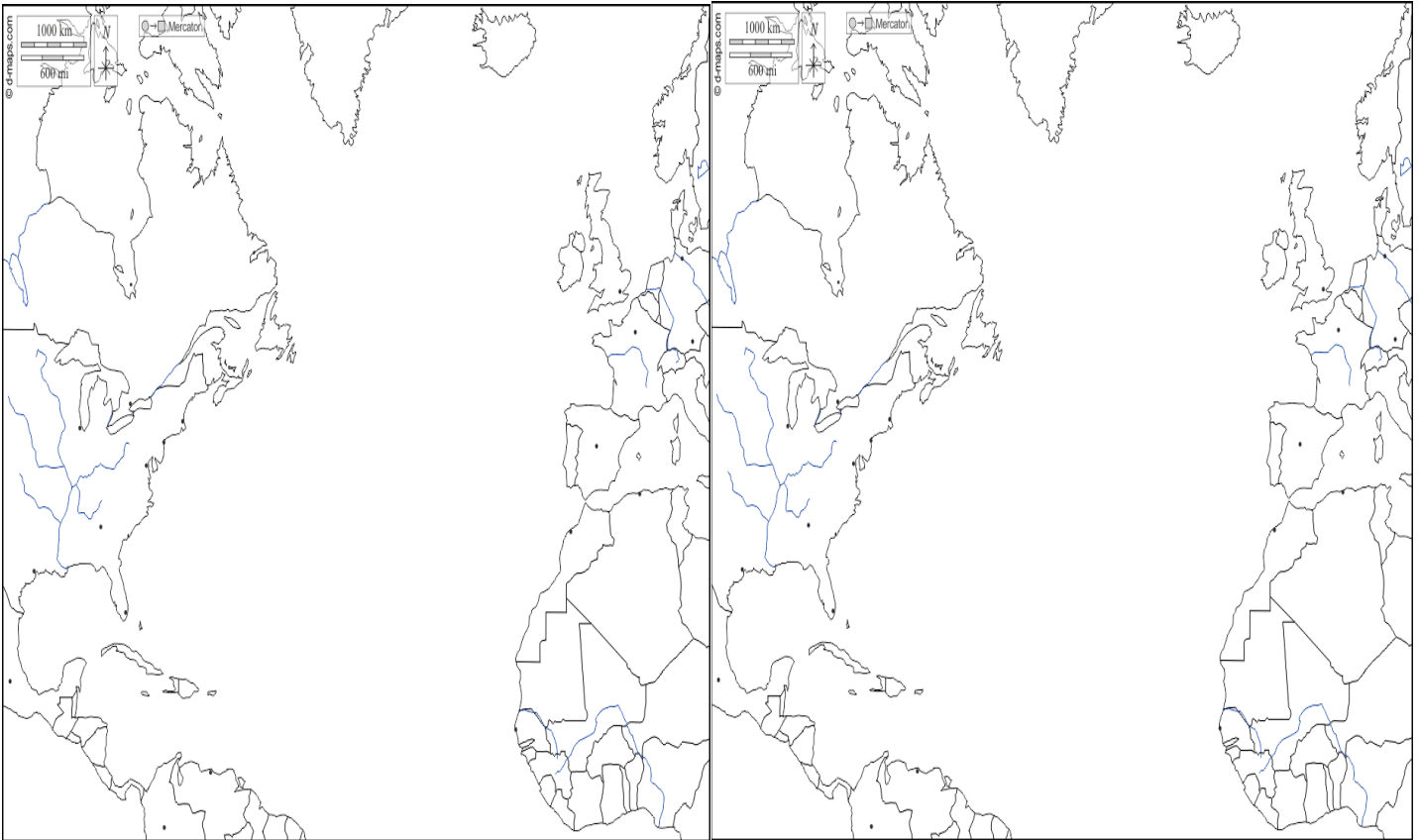
Turtle/Sharks

<https://tinyurl.com/4xstds6w>

<https://www.ocearch.org/tracker/>

Ocean Currents and Wind

<https://tinyurl.com/3th7b58s>



Compare the paths of the turtles and sharks with the currents. What patterns did you notice?

What do you think is the cause of these patterns? List as many possibilities as you can.

Salinity Demo Observations: What did you observe? What does this tell you about density?  
Include a drawing or description.

Upwelling Demo: Draw and explain how upwelling works

Explain how:

- Wind (Energy) moves water at the surface
- Density differences (temperature/salinity) move water below
- These movements create currents that carry turtles and sharks.



Final Explanation (CER)

Claim: What causes these patterns?

Evidence: (map + demos)

Reasoning: Explain how energy and matter movement cause the patterns.