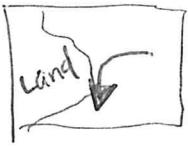


## Cornell Notes - Ocean Currents

The Coriolis Effect	<ul style="list-style-type: none"> <li>The Earth's rotation causes surface currents to move in curved paths rather than in straight lines.</li> <li>The curving of moving objects from straight path due to Earth's rotation is the Coriolis Effect.</li> </ul>
Continental Deflections	<ul style="list-style-type: none"> <li>When surface currents (winds) meet continents; they change directions</li> <li>If the Earth's surface was covered w/ only water, currents would travel freely</li> </ul> 
Taking Temperatures	<ul style="list-style-type: none"> <li>Warm water currents begin near the equator and carry water to other parts of the ocean.</li> <li>Cold water currents begin closer to the poles and carry water to other parts of the ocean.</li> </ul>
Deep Currents	<ul style="list-style-type: none"> <li>Deep currents are streamlike movements of ocean water far below the earth's surface.</li> <li>Warm waters replaces cold dense water (surface) (bottom of ocean)</li> </ul>
Surface Currents	<ul style="list-style-type: none"> <li>Warm water currents create warmer climates.</li> <li>Cold water currents create colder climates.</li> </ul>

Connect what you've learned today with how air temperatures and water currents impact climate.