1. A current is a large body of moving water that flows through the Ocean.

2. Surface currents are caused by global winds.

3. Global wind belts, The Coriolis effect, and Land

4. El nino is a climate event that takes place every two to seven years in the Pacific Ocean. It changes the wind, currents, and weather patterns.

5. La nina is a weather pattern that begins in the Pacific Ocean. It makes the weather colder than normal winters, greater precipitation, and makes the ocean temperature change all over the world.

6. Deep ocean currents are caused by differences in the density of ocean water.

7. The global ocean conveyor belt is a loop that the ocean currents make around Earth’s bodies of water. One way that a global ocean conveyor belt impacts the Earth is by circulating water and oxygen. The second way that a global ocean conveyor belt impacts the Earth is transferring heat throughout the interconnected ocean basis.

8. Warm air because cold air holds less moisture than warm air, it results in a cool and dry climate for the land areas.

9. The Coriolis effect causes ocean currents to move in a curved path.

10. The ocean currents transport warm water and precipitation from the equator toward the poles and cold water from the poles back to the tropics. It regulates the global climate.

11. It affects the climate because the gulf stream brings cold and warm water to the surface and eventually flows back along the surface of the Atlantic.