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Movements of air and ocean! There is a likeness between the movements of ocean and air. The movements of ocean waters are restricted by large land masses, while the air is much more free. In general, the surface air moves toward the equator from the south and from the north, rises and flows away overhead. On the other hand, the deep waters of the ocean flow toward the equator, rise and flow away, north and south. Ocean currents are motivated by the wind, and by differences in density which is caused by differences in temperature and salinity. These factors are sufficient for relatively fast speeds. For instance, the Gulf Stream at the Florida Straits flows at the rate of 121 miles per day.