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Heating the oceans! How the oceans are heated is of interest because of the great effect they have in moderating the temperatures over the continents. On a cloudless day about 69% of the sun's radiation reaches the surface. Of this the oceans absorb about 95% in calm weather reflecting away the remainder. The oceans heat very slowly as it takes volume for volume about 3000 times as much heat to raise water one degree as it does air. The oceans are also warmed somewhat by the atmosphere when the latter is warmer. If some parts of the oceans are warmer than others, distribution is effected by the ocean currents.
