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Heat balance! The sun sends to our earth a certain amount of heat which may vary slightly from the average from time to time, due to the sun's own activity. The amount received by the earth varies not only due to the changing sun's radiation but also due to the changing transparency of the earth's atmosphere. However, within certain limits, the earth gets neither progressively hotter nor colder. This means that the heat received just balances that radiated by the earth. An interesting fact in this connection is that the earth radiates about the same from all points on its surface indicating that much of the heat received at the equator is transported to northern and southern latitudes.