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How it rains! This was formerly simply explained by saying that water vapor condenses, forming clouds when 100 per cent humidity is reached, and that the cloud-droplets then grew to raindrop size. Now it is felt that the process is more complicated, and is not known in all its details. But it is known that condensation may occur with as low humidity as 80 per cent, and that in the clouds water must be present in both the liquid and solid states, even in tropical rains. This condition is now known to be possible. Then there is a certain humidity for each size of nucleus at which the drops grow most rapidly: between 100 and 110 per cent, the higher humidities for the smaller nuclei.
