



Foothold principles: Randomness



- Matter is made of of molecules in constant motion and interaction. This motion moves stuff around.
- A large molecule, small organelle, or even a bit of dust or pollen in the air is continually bombarded from all sides by moving molecules of water or air.
- On the average, they are hit equally from all sides but since they are not that much bigger than the bombarding molecules sometimes more hit them from one side than the other. The values fluctuate around the averages and these fluctuating imbalances produce a jiggling motion ("Brownian motion")
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