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No Matter How Far It Falls, It Gets No Faster: Terminal Velocity

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Have you ever walked in the rain without an umbrella? Raindrops fall from clouds hundreds of meters, sometimes several kilometers, above us, yet when they reach our heads they merely sting a little. Without air, a drop of water falling from the same height would speed up to hundreds of kilometers per hour. That does not happen because a falling object stops speeding up at a certain point. This limiting speed is called ‘terminal velocity.’ Put simply, terminal velocity means ‘the speed at which the air resistance on a falling object becomes equal to gravity, so the object no longer speeds up.’