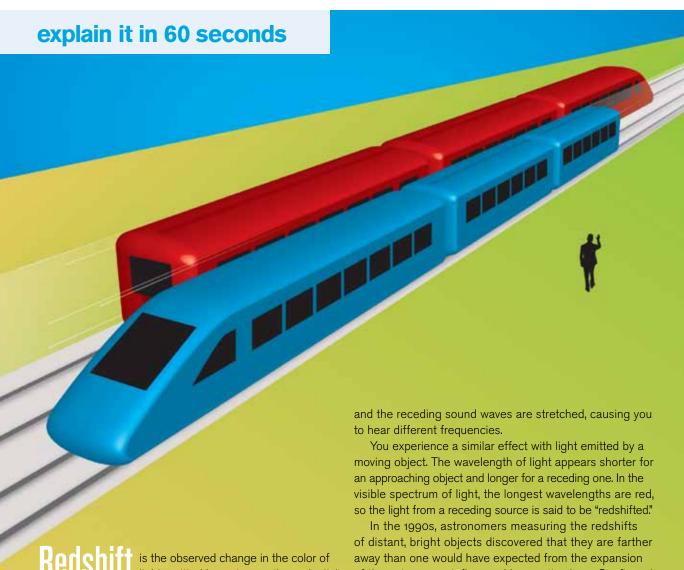
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object that is moving away from Earth.

Light, like sound, travels in waves that are stretched or

Light, like sound, travels in waves that are stretched or compressed when the source or the observer is in motion. Imagine a passing train blowing its horn: You hear a high-pitched sound as it approaches and a low-pitched sound as it recedes. The approaching sound waves are compressed

In the 1990s, astronomers measuring the redshifts of distant, bright objects discovered that they are farther away than one would have expected from the expansion of the universe as influenced by gravity alone. Confirmed by more recent observations, the discovery means that the universe is expanding at an increasing rate. This accelerated expansion is thought to be caused by dark energy, the physical nature of which is one of the most compelling mysteries of modern science.

Joe Bernstein, Argonne National Laboratory