

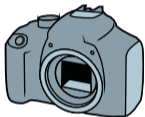
Stopwatch



1

second

Fastest camera shutter



$10^{-3}$

millisecond

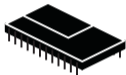
Chemical reactions



$10^{-6}$

microsecond

Fast electronics



$10^{-9}$

nanosecond

Molecular vibrations



$10^{-12}$

picosecond

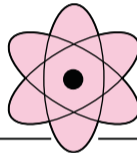
Photosynthesis



$10^{-15}$

femtosecond

Electron motion in atoms and molecules



$10^{-18}$

attosecond