

# TIMES

YEARS	SECONDS		MEAN LIFE OF
		? ? ? ? ? ? ? ?	
10 <sup>9</sup>	10 <sup>18</sup>	Age of universe Age of earth	U <sup>238</sup>
10 <sup>6</sup>	10 <sup>15</sup>	Earliest men	
10 <sup>3</sup>	10 <sup>12</sup>	Age of pyramids	Ra <sup>226</sup>
1	10 <sup>9</sup>	Age of U.S. Life of a man	H <sup>3</sup>
	10 <sup>6</sup>	One day	
	10 <sup>3</sup>	Light goes from sun to earth	Neutron
	1	One heart beat	
	10 <sup>-3</sup>	Period of a sound wave	
	10 <sup>-6</sup>	Period of radiowave	Muon π <sup>±</sup> -meson
	10 <sup>-9</sup>	Light travels one foot	
	10 <sup>-12</sup>	Period of molecular rotation	
	10 <sup>-15</sup>	Period of atomic vibration	
	10 <sup>-18</sup>	Light crosses an atom	π <sup>0</sup> -meson
	10 <sup>-21</sup>	Period of nuclear vibration	
	10 <sup>-24</sup>	Light crosses a nucleus	Strange particle
		? ? ? ? ? ? ? ?	