
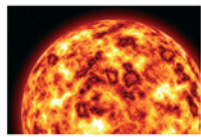







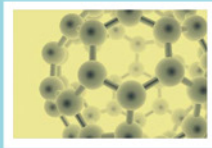
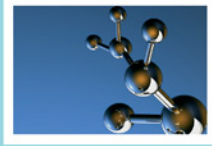


## Scale of things

Name	Symbol	Value	Equivalence	Illustration
<b>terametre</b>	Tm	$10^{12}$	1 terametre = 1000 000 000 000 metres = 1 trillion metres	 <p>One light-hour (the distance travelled by light in one hour) is about 1079 million km or 1.08 Tm</p>
<b>gigametre</b>	Gm	$10^9$	1 gigametre = 1000 000 000 metres = 1 billion metres	 <p>The diameter of the Sun is about 1390 000 km or 1.39 Gm</p>
<b>megametre</b>	Mm	$10^6$	1 megametre = 1000 000 metres = 1 million metres	 <p>Approximate distance from Amsterdam (NL) to Bordeaux (FR)</p>
<b>kilometre</b>	km	$10^3$	1 kilometre = 1000 metres = 1 thousand metres	 <p>Angel Falls in Venezuela, the highest waterfalls in the world at a height of about 980 m</p>
<b>hectometre</b>	hm	$10^2$	1 hectometre = 100 metres = 1 hundred metres	 <p>Length of a football field</p>
<b>decametre</b>	dam	10	1 decametre = 10 metres = ten metres	 <p>Length of an orca (killer whale)</p>
<b>metre</b>	m	1		 <p>Length of a royal python</p>

Name	Symbol	Value	Equivalence	Illustration
<b>decimetre</b>	dm	$10^{-1}$	1 decimetre = 0.1 metre = 1 tenth of a metre	 <p>Length of a white mouse</p>
<b>centimetre</b>	cm	$10^{-2}$	1 centimetre = 0.01 metre = 1 hundredth of a meter	 <p>Width of a finger nail</p>
<b>millimetre</b>	mm	$10^{-3}$	1 millimetre = 0.001 metre = 1 thousandth of a metre	 <p>Pet flea</p>
<b>micrometre (or micron)</b>	$\mu\text{m}$	$10^{-6}$	1 micrometre = 0.000 001 metre = 1 millionth of a metre	 <p>Bacteria</p>
<b>nanometre</b>	nm	$10^{-9}$	1 nanometre = 0.000 000 001 metre = 1 billionth of a metre	 <p>Buckyball (carbon 60 molecule) or 100 000 times smaller than the width of a human hair</p>
<b>picometre</b>	pm	$10^{-12}$	1 picometre = 0.000 000 000 001 metre = 1 trillionth of a metre	 <p>Atom diameters are in the range from 30 to 600 pm</p>