



Feature	Light (optical) microscope	Electron microscope
Radiation used	Light rays	Electron beams
Max magnification	~ 1000 times	~ 2 000 000 times
Resolution	200nm	0.2nm
Size of microscope	Small and portable	Very large and not portable
Cost	~£100 for a school one	Several £100,000 to £1 million plus

PREFIXES		
Prefix	Multiple	Standard form
centi [cm]	1 cm = 0.01 m	$\times 10^{-2}$
milli [mm]	1 mm = 0.001 m	$\times 10^{-3}$
micro [µm]	1 µm = 0.000 001 m	$\times 10^{-6}$
nano [nm]	1 nm = 0.000 000 001 m	$\times 10^{-9}$



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**Shantha Liyanage, Markus
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