



Feature	Light (optical) microscope	Electron microscope
Radiation used	Light rays	Electron beams
Max magnification	~ 1500 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	x 10 ⁻²	
milli (mm)	1 mm = 0.001 m	x 10 ⁻³	
micro (μm)	1 μm = 0.000 001 m	x 10 ⁻⁶	
nano (nm)	1nm = 0.000 000 001 m	x 10 ⁻⁹	