Cells, diffusion and absorption

Cells

Magnification

- ⇒ Magnification how many times the image has been enlarged.
- ⇒ Resolution the minimum distance apart two objects have to be before they are seen as one.
- ⇒ Measurements:
 - □ Units:
 - \Rightarrow Millimetre (mm) 10^{-3}
 - \Rightarrow Micrometre (µm) 10^{-6}
 - ⇒ Nanometre (nm) 10⁻⁹
 - ⇒ Equation:

MAgification = Measured size
Actual size

Eukaryotic and prokaryotic cells

	Eukaryotic	Prokaryotic
Diagram	Cell mem 1 Cyeptian	plasma membrane plasmid pili nucleoid (DNA) capsule flagellum cytoplasm
Examples (CV)	Ahimal cells, plant cells and rungi	Bacteria
DifCanes	Org rele Mombrane bound Linear chromosomes Larger ribosomes – 80S Golgi, lysosomes Plants: cellulose cell wall Mitochondria Cilia	Not membrane bound Plasmid Smaller ribosomes- 70S Absent Peptidogly – cell wall Mesosome Flagella