Magnification and Resolution

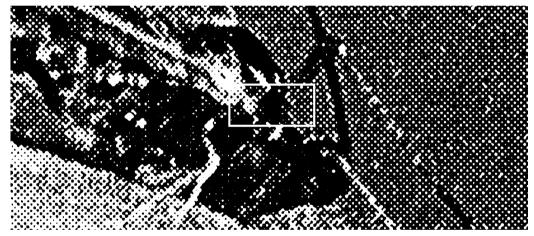
The image is composed of dots.

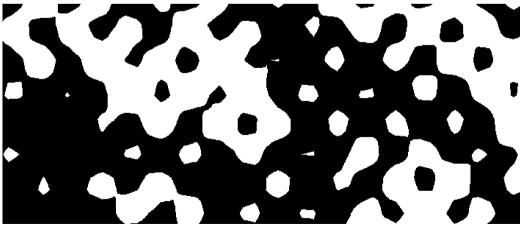
No amount of **magnification** will reveal any more detail or information ie; nothing more can be **resolved**.

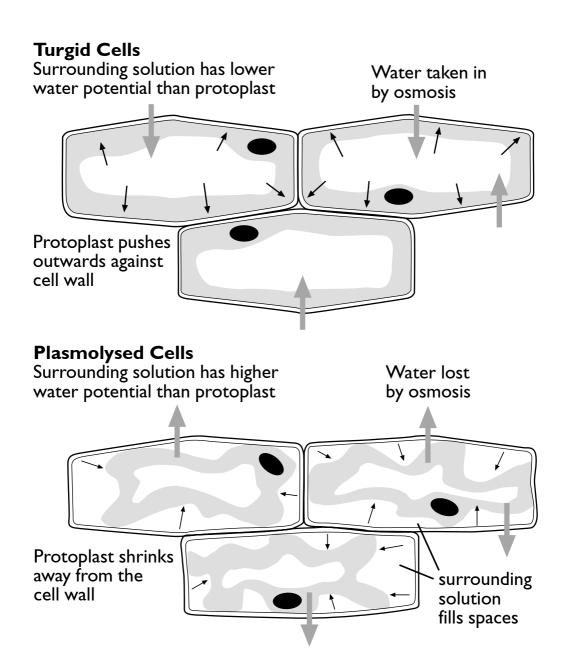
Magnification increases the apparent size of an object.

Resolution is the ability of an optical system to distinguish between adjacent points.



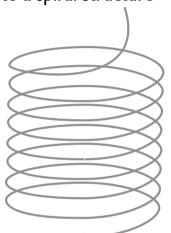






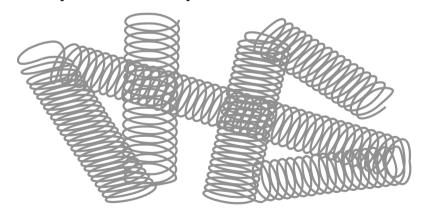
Secondary structure of proteins

In an alpha helix hydrogen In a beta sheet hydrobonds 'pull' molecule chain bonds hold and align molecule chains side



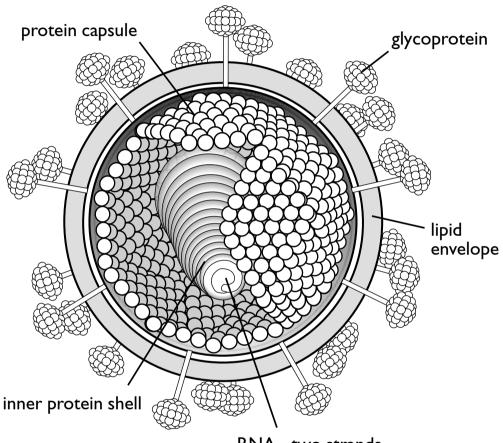
In a beta sheet hydrogen bonds hold and align molecule chains side by side. Angle of bonds in each chain are as a consequence perfectly aligned forming 'pleats'.

Tertiary structure of proteins



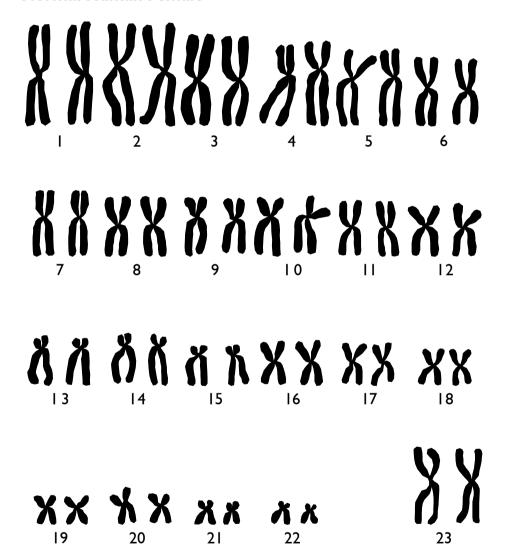
The alpha helix chain folds around itself forming a third level of structural organisation, just like a tangled telephone flex

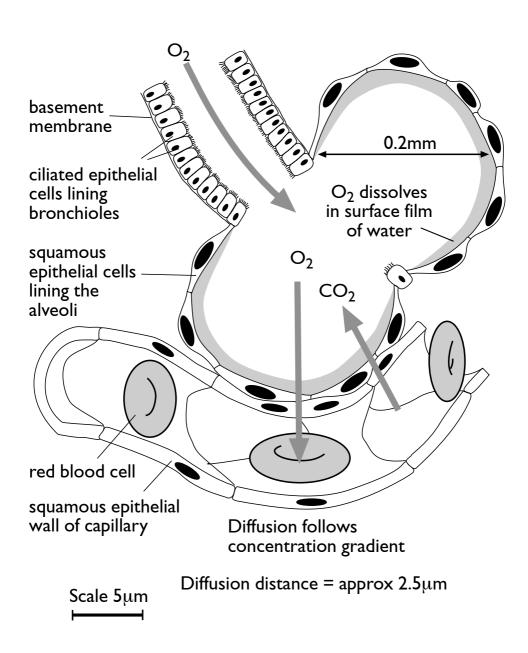
Human Immunodeficiency Virus

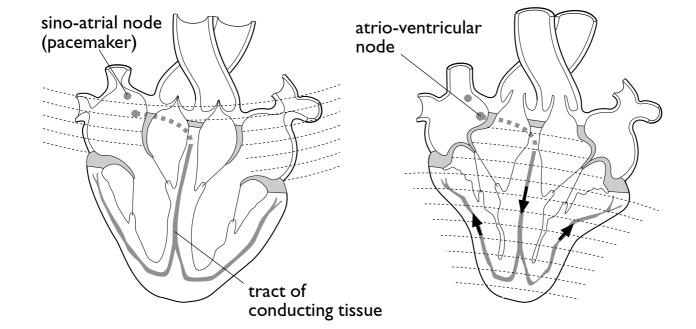


RNA - two strands (plus reverse transcriptase enzyme)

Normal Human Female



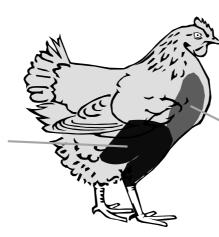




Chicken

Thigh muscles of leg

All red slow twitch muscle fibres



Pectoral flight muscles

All white fast twitch muscle fibres





Dark red chicken leg

White chicken breast