

## A-Level Biology Preparation Summer Homework

**Produce a large and detailed pencil drawing of an animal cell.** This should take up a whole page of A4 and should include labels for the following organelles (structures) inside the cell.....

Nucleus, Nucleolus, Nuclear Pore, Nuclear Envelope, Mitochondria, Lysosome, Ribosome, Golgi Body, Rough Endoplasmic Reticulum, Smooth Endoplasmic Reticulum, Centriole, Microtubules

AND

For **each of the organelles listed below**, complete a more detailed drawing and a description of the structure and function of the organelle. This is expected to take up a further 2 sides of A4

Nucleus (including the nuclear pore, envelope and nucleolus)

Golgi body (to include vesicles being packaged off carrying proteins)

Mitochondria (to include matrix and cristae)