



- Most prominent organelle - controls the cell's activities
- **Double** outer membrane which is continuous with ER (nuclear envelope) - separates DNA from rest of cell
- Pores for passage of mRNA, rRNA ribosomes & nucleotides
- Chromatin (DNA bound to protein) - condenses to form Chromosomes
- Nucleolus - ribosomal RNA to make ribosomes
- Double membrane with fluid filled space
- Cristae increases SA (folded inner for attachment of enzymes to membrane)
- Inner matrix
- Produces energy carrier molecule ATP
- Site of aerobic respiration
- Self replicating

