



Chromosomes



Objective:

To understand the relationship between chromosomes, genes, and traits.





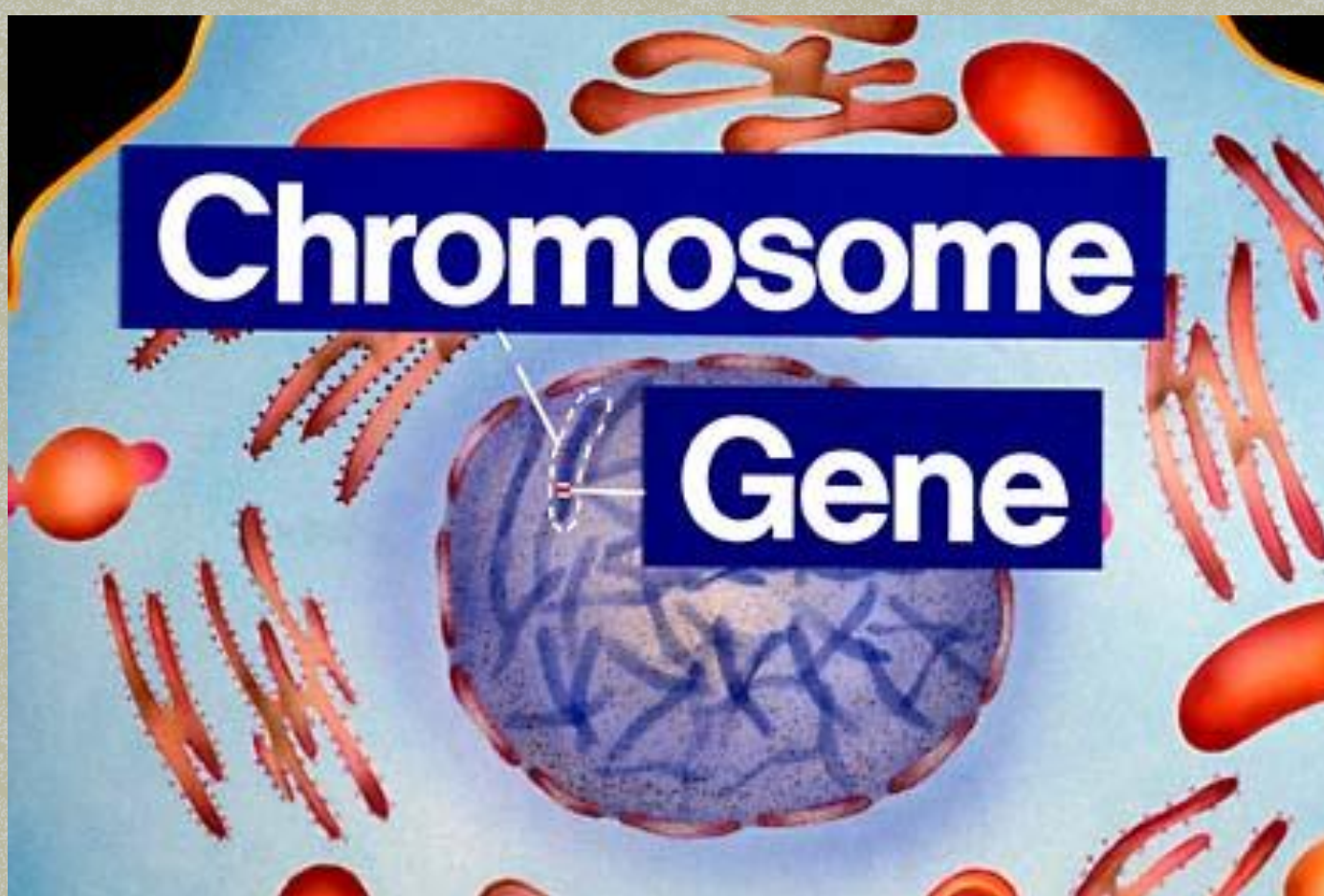
Research:

Chromosome:

Found in the nucleus of cells. Carries genes for various traits.

Gene:

A segment of DNA found on a chromosome. Usually multiple genes per chromosome. Genes carry instructions for traits.



Chromosome

Gene



Traits:

The way a gene is expressed. Example: the gene for hair color in humans could have the following possible traits: brown, red, black, blonde, etc...

Homologous chromosomes:

Chromosomes with matching information (the same genes)