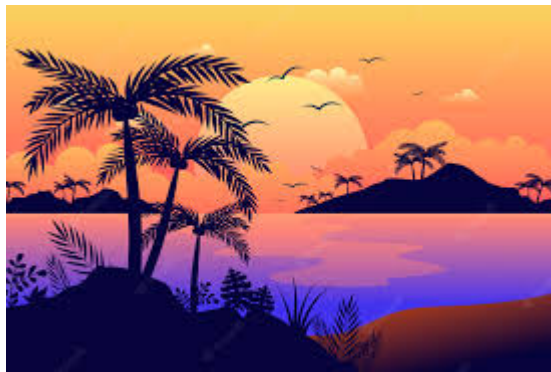


NEWS020

2022-10-11 - Agent007 RAW - Comments (2) - First Category

How does the mechanism of heredity work? Cellular DNA is the information source for making



proteins in the cell. A section of DNA that provides information for one protein is called the gene for that protein. How do proteins control the characteristics that we are discussing here? Let us take the example of tallness as a characteristic. We know that plants have hormones that can trigger growth. Plant height can thus depend on the amount of a particular plant hormone. The amount

of the plant hormone made will depend

on

the

efficiency

of the process for making it.

Consider now an enzyme that is important for this process. If this enzyme works efficiently, a lot of hormone will be made, and the plant will be tall. If the gene for that enzyme has an alteration that makes the enzyme less efficient, the amount of hormone will be less, and the plant will be short. Thus, genes control characteristics, or traits.

Tags

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Attachments



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Agent007 RAW

2 years ago

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