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Identifying DNA as the Genetic Material

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DNA was identified as the genetic material relatively recently, in the 1940s. Theoretical studies were conducted prior to that all added up to the discovery: i.e. Griffith's work on *Streptococcus pneumoniae* and the discovery that RNA is the genetic material in some viruses.

Griffith finds a "transforming principle."

In 1928, a British microbiologist named Frederick Griffith discovered that *Streptococcus pneumoniae* has two phenotypes: the "smooth" and the "rough" form. The smooth form was virulent, while the rough form was not. Griffith found that the rough form could become smooth if it was exposed to the smooth form.

Griffith used bacteria with a capsule of the virulent strain containing bacteria and the non-virulent strain. He showed that the non-virulent strain became virulent when it was exposed to the virulent strain. This was the "transforming principle."

Griffith's work showed that the transforming principle was a substance that could be extracted from the virulent strain and injected into the non-virulent strain. This substance was later identified as DNA.



Griffith's work on "transforming principle" showed that the rough form of *Streptococcus pneumoniae* could become smooth if it was exposed to the smooth form.

Griffith's experiment on transformation

Griffith found that transformation is occurring when he found the rough form of *Streptococcus pneumoniae* could become smooth if it was exposed to the smooth form.



Griffith's experiment on transformation

Griffith's experiment showed that the rough form of *Streptococcus pneumoniae* could become smooth if it was exposed to the smooth form.

Guide Identifying Genetic Material

J Elliott



Guide Identifying Genetic Material:

Unveiling the Power of Verbal Artistry: An Psychological Sojourn through **Guide Identifying Genetic Material**

In a world inundated with monitors and the cacophony of fast transmission, the profound energy and psychological resonance of verbal artistry frequently diminish into obscurity, eclipsed by the regular onslaught of noise and distractions. Yet, located within the lyrical pages of **Guide Identifying Genetic Material**, a captivating work of fictional brilliance that pulses with fresh thoughts, lies an memorable trip waiting to be embarked upon. Penned by way of a virtuoso wordsmith, this enchanting opus guides visitors on a mental odyssey, gently revealing the latent potential and profound impact embedded within the complicated internet of language. Within the heart-wrenching expanse with this evocative evaluation, we can embark upon an introspective exploration of the book is central subjects, dissect its charming writing fashion, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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