GENETICS

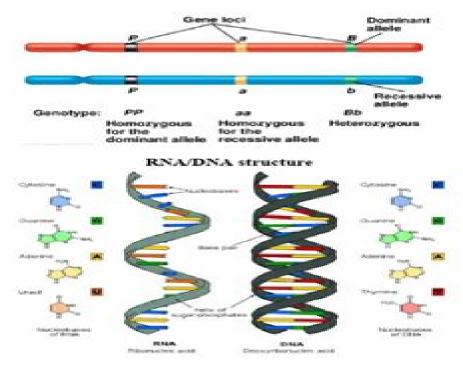
Introduction

Genes are sections of DNA made up of specific sequences of nucleotides.

Alleles are different versions of the same gene.

Genotype: all alleles of an individual

Phenotype: characteristics or traits we can observe



In 1953, Watson and Crick deduced that the structure of DNA was a double helix.

The discovery of complementary base pairing revealed how information could be encoded in a molecule and how this information could be exactly duplicated during S phase of interphase.

I. CELL CYCLE

The cell cycle is the series of events that take place in a cell leading to its division and duplication of its DNA (DNA replication) to produce two daughter cells.

A. Interphase

Before a cell can enter cell division, it needs to duplicate its DNA.

DNA Replication.

The first step in DNA replication is to 'unzip' the double helix structure of the DNA molecule.

Making A Code Of Dna Answer Key

L Reisser

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How to Pass National 5 Biology, Second Edition Billy Dickson, Graham Moffat, 2018-04-16 Exam Board SQA Level National 5 Subject Biology First Teaching September 2017 First Exam Summer 2018 Fully updated to account for the removal of Unit Assessments and the changes to the National 5 exam this book contains all the advice and support you need to revise successfully It combines an overview of the course syllabus with advice from top experts on how to improve exam performance so you have the best chance of success Refresh your knowledge with complete course notes Prepare for the exam with top tips and hints on revision technique Get your best grade with advice on how to gain those vital extra marks

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