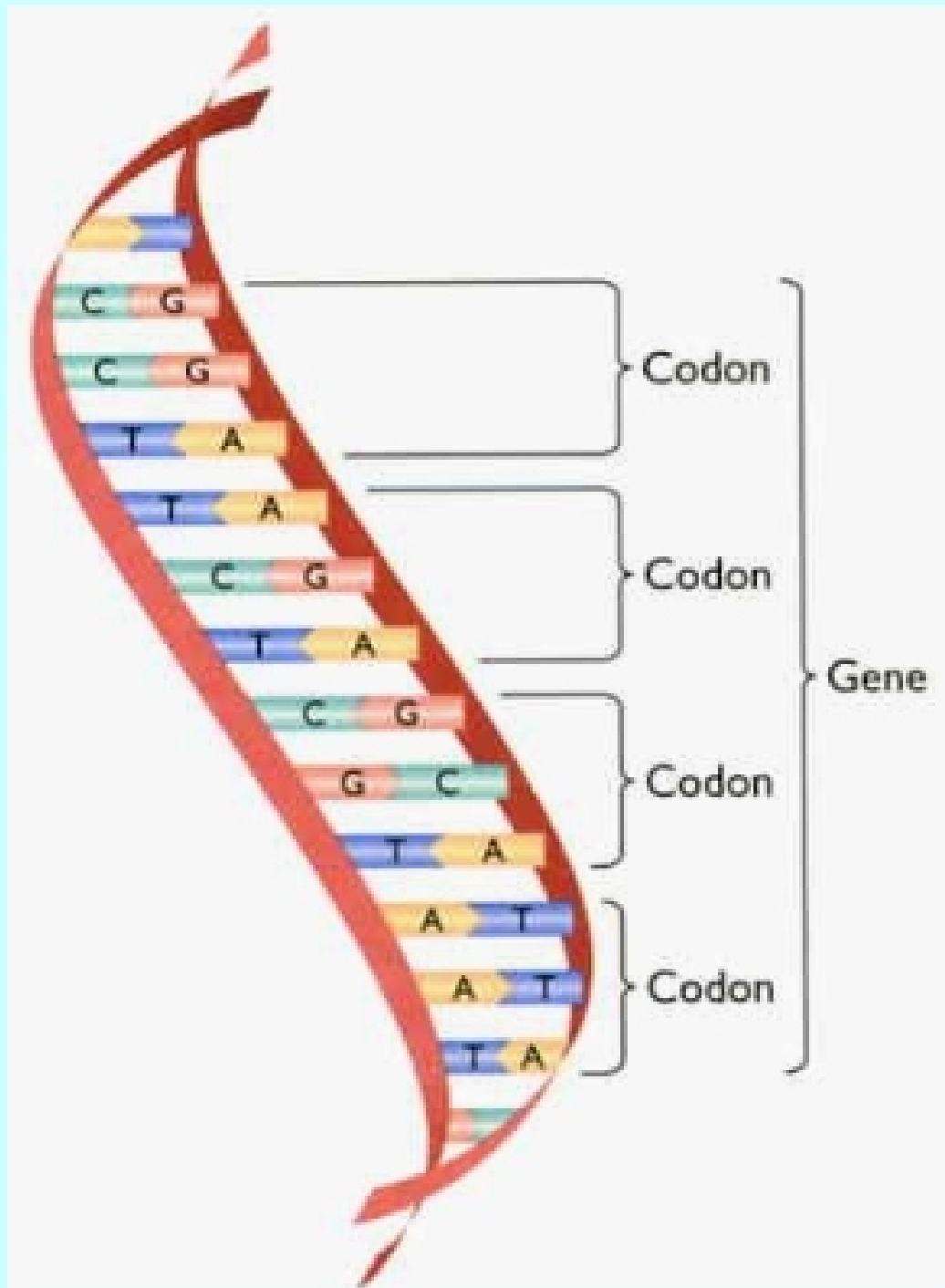


Review of Genetics (Part I)



A codon is composed of:

Three pairs of bases

A codon gives the blueprint
for making what?

An amino acid

A gene is composed of:
a number of sets of codons

A gene gives the blueprint
for making what?

A protein

Variant sets of codons are called what?

alleles

Can different sets of alleles result in the same phenotype?

Yes. But they can also result in a different phenotype.

Can different sets of alleles result in the same genotype?

No

TRUE or FALSE

An individual can evolve during their lifetime.

FALSE. Evolution occurs in populations.

There is a direction to evolution. A species becomes more complex.

FALSE. There is no direction to evolution. The variation that is favored in populations is that variation best adapted to any changes in the environment.