

## Fill-in-the-Blank DNA & Alleles Notes

\_\_\_\_\_ is the genetic material passed down from parents to offspring.

Genetic material is made of the molecule called \_\_\_\_\_ Acid.

DNA determines an organism's characteristics by controlling \_\_\_\_\_.

Each side of the DNA has molecules made of \_\_\_\_\_ and \_\_\_\_\_.

The four rungs of DNA's ladder are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

Adenine is paired with \_\_\_\_\_, and \_\_\_\_\_ is paired with Guanine.

\_\_\_\_\_ coils around \_\_\_\_\_ to form chromosomes.

Humans have \_\_\_ pairs of \_\_\_\_\_.

Sections of DNA on chromosomes are called \_\_\_\_\_.

Genes contain the instructions for creating \_\_\_\_\_.

Organisms receive half their DNA from their \_\_\_\_\_ and half from their \_\_\_\_\_ so they are in pairs

\_\_\_\_\_ are a single gene from a gene pair on a chromosome.

Alleles that are the same are called \_\_\_\_\_. If they differ, they're \_\_\_\_\_.

Heterozygous can also be called \_\_\_\_\_.

Alleles can be \_\_\_\_\_ or \_\_\_\_\_.

The expression of an allele can only be covered by a \_\_\_\_\_ allele.

A recessive allele will only be expressed if it is \_\_\_\_\_.

A single copy of a \_\_\_\_\_ allele will be usually expressed, while a single copy of a \_\_\_\_\_ will never be.

An individual's genetic code is their \_\_\_\_\_.

The letters denoting alleles in a gene pair are a \_\_\_\_\_.

Capital letters in a genotype denote \_\_\_\_\_ alleles, \_\_\_\_\_ denote recessive alleles.

An individual's physical appearance is their \_\_\_\_\_.

A phenotype is controlled by an individual's \_\_\_\_\_ and \_\_\_\_\_.