HEREDITY

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = Mendel discovered the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of heredity while studying \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Mendel labeled \_\_\_\_\_\_\_ parental plants as \_\_\_\_\_\_\_\_\_\_ and the offspring as \_\_\_\_\_\_\_\_\_\_.

Heredity = is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from parents to \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_ = the field of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ that investigates how \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are transmitted from \_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dominant trait – one of the traits is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by or is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by the other factor. A characteristic that \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - this trait seems to \_\_\_\_\_\_\_\_\_\_ into the \_\_\_\_\_\_\_\_\_\_\_\_\_\_. Recede - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or back off

To tell if a trait is dominant or recessive, \_\_\_\_\_\_\_\_\_\_\_\_ the traits of \_\_\_\_\_\_ and \_\_\_\_\_ generations

\_\_\_\_\_\_\_\_\_\_\_ - a segment of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that determines a particular \_\_\_\_\_\_\_\_\_\_\_\_

Each parent gives \_\_\_\_\_ set of \_\_\_\_\_\_\_\_\_\_\_ to the offspring. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ that have two forms of the same \_\_\_\_\_\_\_\_\_\_\_\_\_ for every \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_ = different forms of the same \_\_\_\_\_\_\_\_\_\_

Dominant \_\_\_\_\_\_\_\_\_\_\_\_\_ are shown with a \_\_\_\_\_\_\_\_\_\_\_ letter, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ alleles are always shown with a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ letter.

Ex. T – tall, t – short

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - when two \_\_\_\_\_\_\_\_\_\_\_\_ for a trait are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Ex. TT

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - when two \_\_\_\_\_\_\_\_\_\_\_\_ for a trait are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Ex. Tt

Punnett square – a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that summarizes Mendel’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_ about the probability of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ offspring being \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = an organisms \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or other detectable \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (physical appearance) Ex. \_\_\_\_\_\_\_\_\_\_\_\_\_, eye color, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Genotype – the \_\_\_\_\_\_\_\_\_\_\_\_ genetic \_\_\_\_\_\_\_\_\_\_\_\_\_\_ or an organism. Genotype describes the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ you receive.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are made from a chemical \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, DNA.

This is what the \_\_\_\_\_\_\_\_\_\_\_\_ that are passed from one \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the next are made of.

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of DNA is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. A double helix is like a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ that is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to form a \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the steps are made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The bases are known as: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, thymine, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and cytosine

The bases match up in the following ways:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Genetic engineering – the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ by humans. Ex. Cure \_\_\_\_\_\_\_\_\_\_\_\_\_\_, treat genetic \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ medicines