

## Genetics Test Review

Genotype -

Phenotype -

Heredity -

Allele -

Dominant -

Recessive -

Incomplete Dominance -

Co-Dominance -

Homozygous -

Heterozygous -

Homozygous Dominant -

Homozygous Recessive -

Sexual Reproduction -

Asexual Reproduction -

Punnett Square -

Gregor Mendel -

Double Helix -

DNA Bases (A-T, G-C) -

Gene -

Trait -

Offspring -

Chromosome -

Purebred -

Hybrid -

1. What is the hidden or masked trait called?
2. What is another name for heterozygous? Homozygous?
3. How many genes for each trait does an offspring receive from each parent?
4. What tool is used in genetics to show the probability of offspring?
5. Bill is homozygous for freckles. Sally, his wife, is heterozygous for clear skin. If they have a child, what chance is there the child will have freckles? Show your work.
6. What are the two ways that a GENOTYPE should look if it shows the dominant trait?
7. What is the only way a GENOTYPE can look if it shows the recessive trait?
8. What is an organism's expressed physical trait?
9. What is a name for an organism's two identical alleles?
10. How many chromosomes do people have in the nucleus of each cell?
11. Put in order from smallest to largest: cell, chromosome, nucleus, DNA, gene
12. What information is on the x axis of a graph? Y axis?
13. Mom has red hair and dad has green hair, which is recessive. What two possibilities of genotypes does mom have? What is dad's genotype? What genotype is Mom if all of the offspring is heterozygous? Show your work with Punnett squares.
14. Make your own Punnett square word problem like the one above and work it out.