

Match the definition with the vocabulary word. Put your answers in the magic squares below. When your answers are correct, all columns and rows will add to the same number.

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|----------------|-------------------|--------------------|---------------------|
| A. alleles | E. genotype | I. heredity | M. messenger RNA |
| B. purebred | F. meiosis | J. homozygous | N. recessive allele |
| C. codominance | G. Punnett square | K. fertilization | O. probability |
| D. genetics | H. heterozygous | L. dominant allele | P. phenotype |

1. An allele that is masked when a dominant allele is present.
2. A chart that shows all the possible combinations of alleles that can result from a genetic cross.
3. An allele whose trait always shows up in the organism when the allele is present.
4. The different forms of a gene.
5. the process in which an egg cell and a sperm cell join to form a new organism.
6. The offspring of many generations that have the same traits.
7. Copies message from DNA and carries it to the cytoplasm.
8. Having two different alleles for a trait.
9. An organism's genetic makeup, or allele combinations.
10. An organism's physical appearance, or visible traits.
11. A condition in which neither of two alleles of a gene is dominant or recessive.
12. Having two identical alleles for a trait.
13. The scientific study of heredity.
14. Is the passing of physical characteristics from parents to offspring.
15. Occurs in the formation of sex cells by which the number of chromosomes is reduced by half.
16. A number that describes how likely it is that an event will occur.

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| A= | B= | C= | D= |
| E= | F= | G= | H= |
| I= | J= | K= | L= |
| M= | N= | O= | P= |