

Genetics Challenge

Name _____

- The abbreviation for deoxyribonucleic acid is _____.
- A member of a gene pair that determines a specific trait is a(n) _____.
- _____ is known as the Father of Genetics.
- A _____ has genes that are different for a trait, such as Tt.
- The actual gene makeup of an organism is its _____.
- _____ are physical characteristics of an organism that are passed down from one generation to the next.
- I n c o m p l e t e d o m i n a n c e** is a condition in which neither of the two genes in a gene pair masks the other.
- _____ are rod-shaped structures found in the nucleus of every cell in an organism.
- A _____ trait is expressed when two different genes for the same trait are present.
- The physical appearance of a trait is called the _____.
- Mendel experimented with _____ to learn about genetics.
- A _____ gene pair consists of two dominant alleles or two recessive alleles.
- According to the _____ of _____ one gene from each gene pair goes to each sex cell.
- The traits of an organism are controlled by its _____.
- A _____ is a chart used to show the possible gene combinations in _____ across between two organisms.
- A _____ gene pair that consists of a dominant allele and a recessive allele.
- The _____ generation is the offspring of the P, or parental, generation.
- A _____ is a scientist who studies heredity.
- A _____ trait seems to disappear when two different genes for the same trait are present.
- Organisms inherit genes in pairs, one from each _____.
- _____ is the study of heredity.
- The _____ of independent _____ states that each gene pair is inherited _____ independently of the gene pairs for other traits.

Use the letters from the terms to complete the joke!

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 ?
 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 !