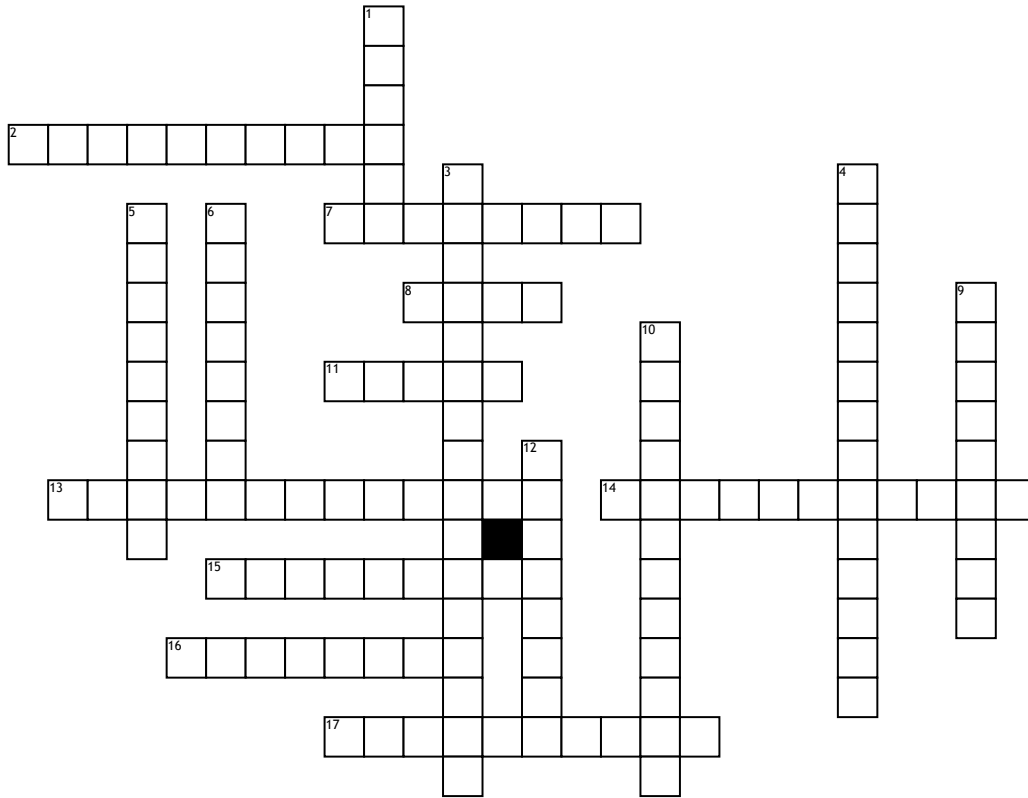


Choicie board assignment



Across

2. a threadlike structure of nucleic acids and protein found in the nucleus of most living cells, carrying genetic information in the form of genes

7. the study of heredity and the variation of inherited characteristics

8. a unit of heredity that is transferred from a parent to offspring and is held to determine some characteristic of the offspring.

11. a distinguishing quality or characteristic, typically one belonging to a person

13. a square diagram that is used to predict the genotypes of a particular cross or breeding experiment

14. the extent to which an event is likely to occur

15. relating to or denoting heritable characteristics controlled by genes that are expressed in offspring only when inherited from both parents, i.e., when not masked by a dominant characteristic inherited from one parent.

16. most important, powerful, or influential

17. refers to a particular gene that has identical alleles on both homologous chromosomes.

Down

1. one of two or more alternative forms of a gene that arise by mutation and are found at the same place on a chromosome.

3. biological systems - individuals and populations - are different over space

4. An inherited medical condition caused by a DNA abnormality

5. a person's child or children

6. the genetic constitution of an individual organism

9. the set of observable characteristics of an individual resulting from the interaction of its genotype with the environment

10. two alleles at a locus are identical to each other,

12. The passing on of physical or mental characteristics genetically from one generation to another

Word Bank

Homozygous

Phenotype

Recessive

Punnett square

Offspring

Chromosome

Heterozygous

Genetic disease

Allele

Probability

Genotype

Dominant

Genetic variation

Heredity

Genetics

Trait

Gene