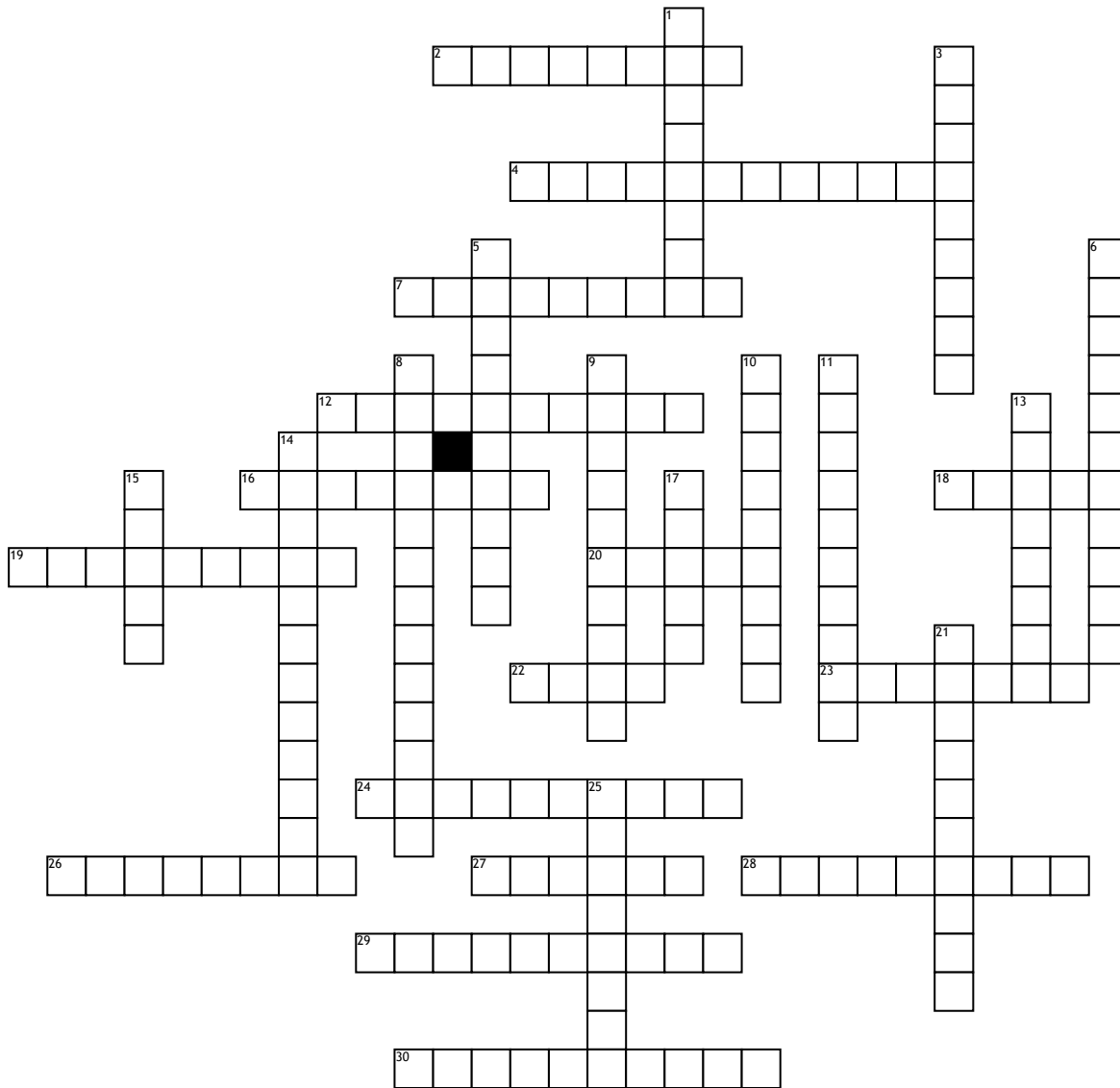


Genetic Processing



Across

2. Mutation, An alteration of genetic material such that a new variation is

4. A genotype consisting of two different alleles of a gene for a particular trait,

7. Genome imprinting, An inheritance pattern in which a gene will have a different effect depending on the gender of the parent from whom it is

12. Genes, Units of inheritance usually occurring at specific locations, or loci, on a

16. Phenotype, The observable or detectable characteristics of an individual

18. Units of inheritance usually occurring at specific locations, or loci, on a chromosome,

19. An alteration of genetic material such that a new variation is produced,

20. Proteins, Any of a large number of complex organic molecules that are composed of one or more chains of amino

22. All of the genes in all of the individuals in a breeding population, Gene

23. An alternative form of a gene that is located at a specific position on a specific chromosome,

24. Having the same allele at the same locus on both members of a pair of homologous chromosomes,

26. Any of a large number of complex organic molecules that are composed of one or more chains of amino acids,

27. Genetic Drift, Evolution or change in gene pool frequencies, resulting from random

28. The observable or detectable characteristics of an individual organism,

29. An inheritance pattern in which a gene will have a different effect depending on the gender of the parent from whom it is inherited, Genome

30. Transcription, The first step of gene

Down

1. Transduction, The series of singles that must be passed through the

3. Genetics, The study of gene structure and action and the patterns of inheritance of traits from parent to

5. Alleles, An alternative form of a gene that is located at a specific position on a specific

6. Homozygous, Having the same allele at the same locus on both members of a pair of homologous

8. The first step of gene expression,

9. Gene pool, All of the genes in all of the individuals in a breeding

10. Gene Regulation, The process of controlling which genes in a cell's DNA are

11. Genotype, The genetic makeup of an

13. The genetic makeup of an individual,

14. The series of singles that must be passed through the membrane,

15. Heterozygous, A genotype consisting of two different alleles of a gene for a particular

17. Evolution or change in gene pool frequencies, resulting from random chance, Genetic

21. The process of controlling which genes in a cell's DNA are expressed, Gene

25. The study of gene structure and action and the patterns of inheritance of traits from parent to offspring,