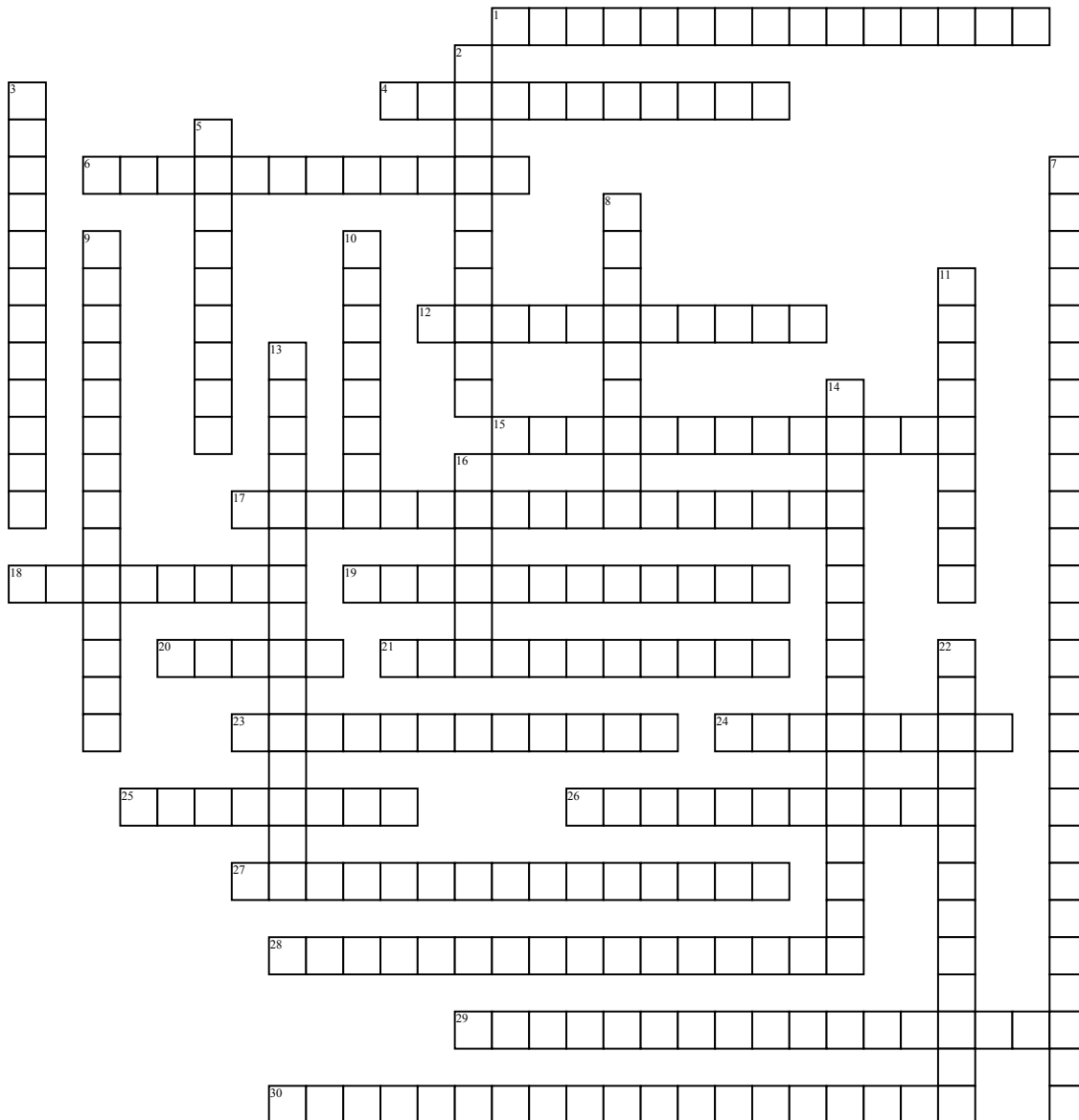


Chapter 9 Vocab



Across

1. the transfer of pollen from one flower to another flower on the same plant
4. likelihood that a particular event will happen
6. offspring of the P generation
12. transfer of pollen from the male reproductive structure to the female reproductive structure of a plant
15. a cross between two individuals, concentrating on two definable traits
17. the subfield of biology that studies the molecular structure and function of genes
18. the passing of traits from parent to offspring
19. an organism that has two different alleles for a trait
20. a characteristic that an organism can pass on to its offspring through its genes.
21. parental generation, the first two individuals that mate in a genetic cross

23. term used to describe organisms that produce offspring identical to themselves if allowed to self-pollinate
24. describes a trait that covers over, or dominates, another form of that trait.
25. the study of heredity
26. a condition in which both alleles for a gene are fully expressed
27. a cross in which only one characteristic is tracked
28. first law of heredity stating that pairs of alleles for a trait separate when gametes are formed
29. a relationship in which one allele is completely dominant over another
30. a condition in which a trait in an individual is intermediate between the phenotype of the individual's two parents because the dominant allele is unable to express itself fully

Down

2. an organism that has two identical alleles for a trait

3. offspring of the F1 generation
5. cross between an organism with an unknown genotype and an organism with a recessive phenotype
7. the law that states that genes separate independently of one another in meiosis
8. an organism's physical appearance, or visible traits
9. the ratio of the genotypes that appear in offspring
10. an organism's genetic makeup, or allele combinations
11. trait of an organism that can be masked by the dominant form of a trait
13. the ratio of phenotypes produced by a cross
14. pollination of a flower or plant with pollen from another flower or plant
16. one of a number of different forms of a gene
22. diagram showing the gene combinations that might result from a genetic cross