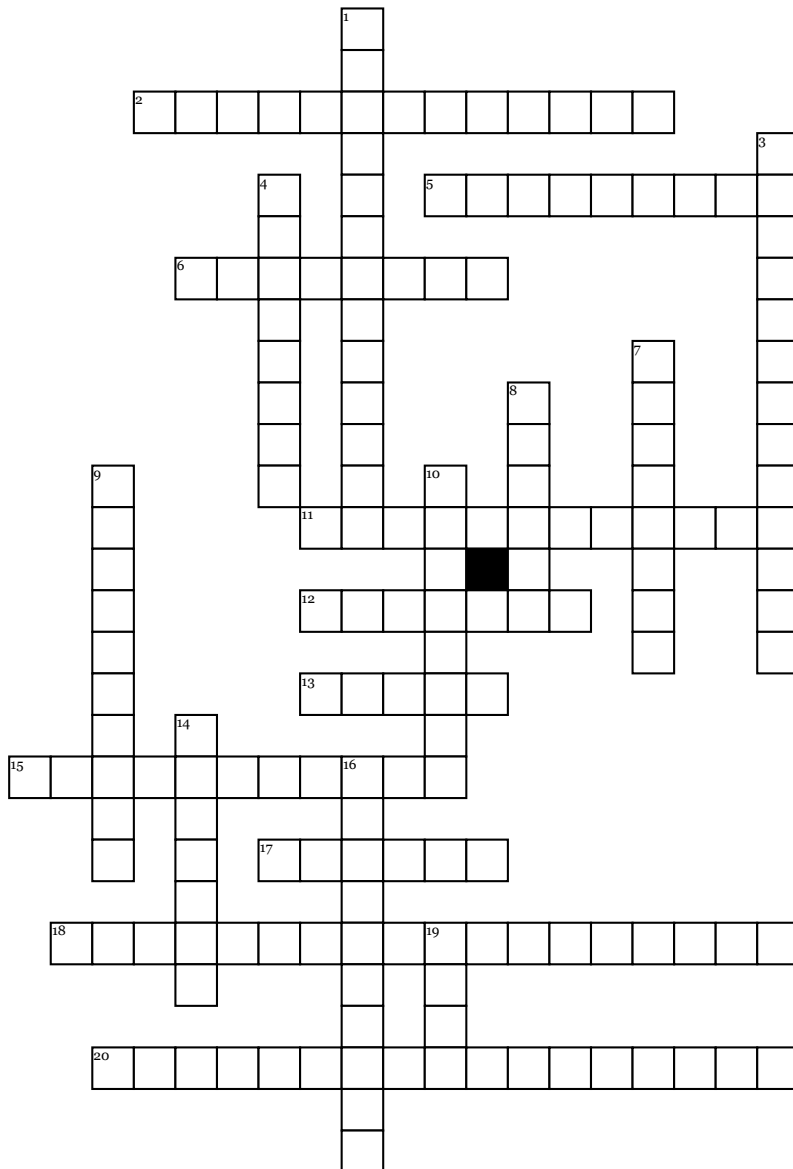


Knowledge 2



Across

- 2.** A gene located on a sex chromosome, usually x.
5. An organism's physical appearance, or visible traits
6. An organism's genetic make up, or allele combination
11. Having 2 different alleles for a trait.
12. The different forms of a gene.
13. A characteristic that is passed onto an offspring.
15. A number that describes how likely it is that event will occur.
17. An organism with two different alleles for a trait.

18. The developments and applications of SM, procedures, and tech that permit direct manipulation of genetic material.

20. The intentional mating of 2 animals in an attempt to produce an offspring with desirable characteristics.

Down

- 1.** A chart that shows all the possible combinations of alleles that can result from a genetic cross.
3. A chromosome differing in shape or function, determines the sex of an individual.
4. The scientific study of heredity.

7. A genealogical table, chart, list, or record.

8. A full set of chromosomes; all the inheritable traits of an organism.

9. Having 2 identical alleles for a trait.

10. The passing of traits to offspring.

14. An individual that carries but does not express a gene for a particular recessive trait, yet when married to another carrier, can have offspring that do.

16. The mating of closely related individuals

19. The set of information that controls a trait.