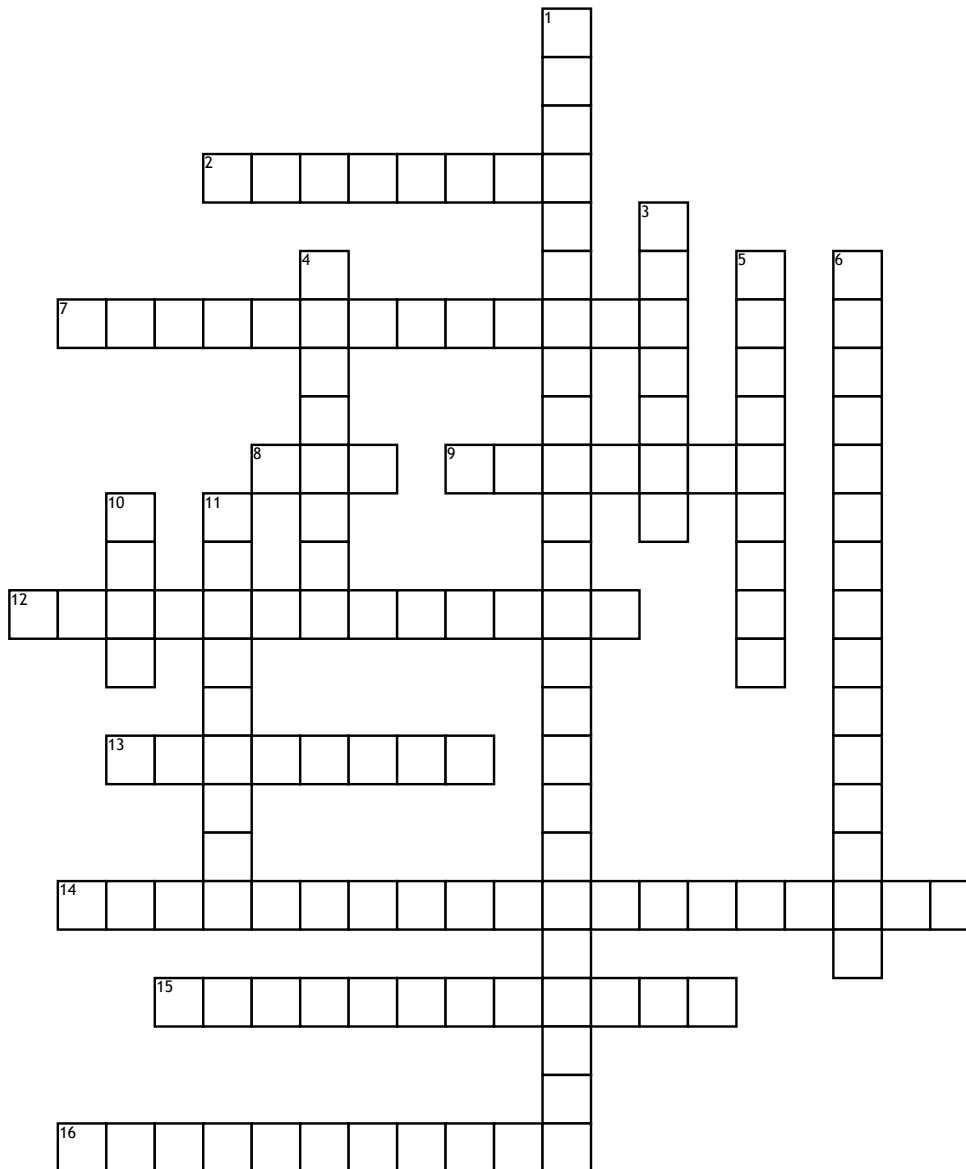


Inheritance



Across

2. The code for the phenotype
e.g. bb
7. A characteristic that has been influenced by the environment around you e.g. weight
8. Deoxyribonucleic acid - A molecule found in the nucleus of cells that contains genetic information.
9. Contains all the genetic material of a eukaryotic cell (plant or animal cell)
12. A genetic diagram to show how offspring inherit characteristics from their parents

13. When a base is change to another e.g. A→T

14. When genes from another organism are added into the DNA so that a new characteristic will show. E.g. to produce vitamin A in golden rice.

15. A diagram to show how a genetic disorder is inherited

16. Thread-like structures containing tightly coiled DNA. There are 23 pairs of chromosomes in the human body.

Down

1. Features that are passed down from parents to their offspring e.g. eye colour

3. Different versions of a gene. E.g. brown eye colour or blue eye colour

4. An allele for a gene that will show if present. E.g. BB or Bb for Brown eyes

5. An allele for a gene that will only show if there is no dominant allele. E.g. bb for blue

6. A trait you have e.g. height, eye colour, tongue rolling, ear lobes etc

10. Gene A section of DNA that determines an inherited characteristic.

11. How the characteristic is visualised e.g. blue eyes