

Genetics

¹ D	N	² A						³ C												
		L					⁴ L	I	N	K	E	D								
		L						R						⁵ M						
	⁶ S	E	X					⁷ C	H	R	O	M	O	S	O	M	E			
		L						L						N						
	⁸ P	E	D	I			⁹ G	R	E	E				O						
							E							¹⁰ H	A	L	F			
							N							Y						
		¹¹ P	U	¹² R	E	B	R	E	D					B						
¹³ G				E										R						
E		¹⁴ S		C				¹⁵ H						I						
N		¹⁶ P	H	E	N	¹⁷ O	T	Y	P	E				D						
E		E		S		V		B												
T		R		¹⁸ S	Q	U	A	R	E											
I		M		I		M		I						¹⁹ M						
C				V				²⁰ D	O	M	I	N	A	N	T					
²¹ S	H	A	D	E	D									L						
							²² G	E	N	O	T	Y	P	E						

Across

1. Abbreviation of deoxyribonucleic acid.[3]
4. Colour blindness is a sex ____ hereditary disease.[6]
6. Females have XX ____ chromosomes.[3]
7. Threadlike structures on which genes are situated.[10]
8. Family tree in genetics.[8]
10. Number of genes and chromosomes inherited from each parent.[4]
11. Condition where the pair of alleles for a characteristic are the same.[8]
16. Characteristic that is determined by a pair of genes e.g. blue eye colour[9]
18. Shape used for a male in a pedigree.[6]
20. More strongly inherited.[8]
21. In a pedigree, a person affected with a disease is shown by a ____ shape.[6]
22. Pair of alleles for a characteristic e.g. Bb.[8]

Down

2. Alternative form of a gene for a characteristic.[6]
3. Shape used for a female in a pedigree.[6]
5. Type of cross where both parents are hybrid for a characteristic.[10]
9. Inherited chemical that is situated on a chromosome.[4]
12. Less strongly inherited.[9]
13. Study of heredity.[8]
14. Male reproductive cell.[5]
15. Type of genotype where the pair of alleles are not the same.[6]
17. Scientific name for an egg.[4]
19. XY chromosomes indicate the sex chromosomes for a ____.[4]