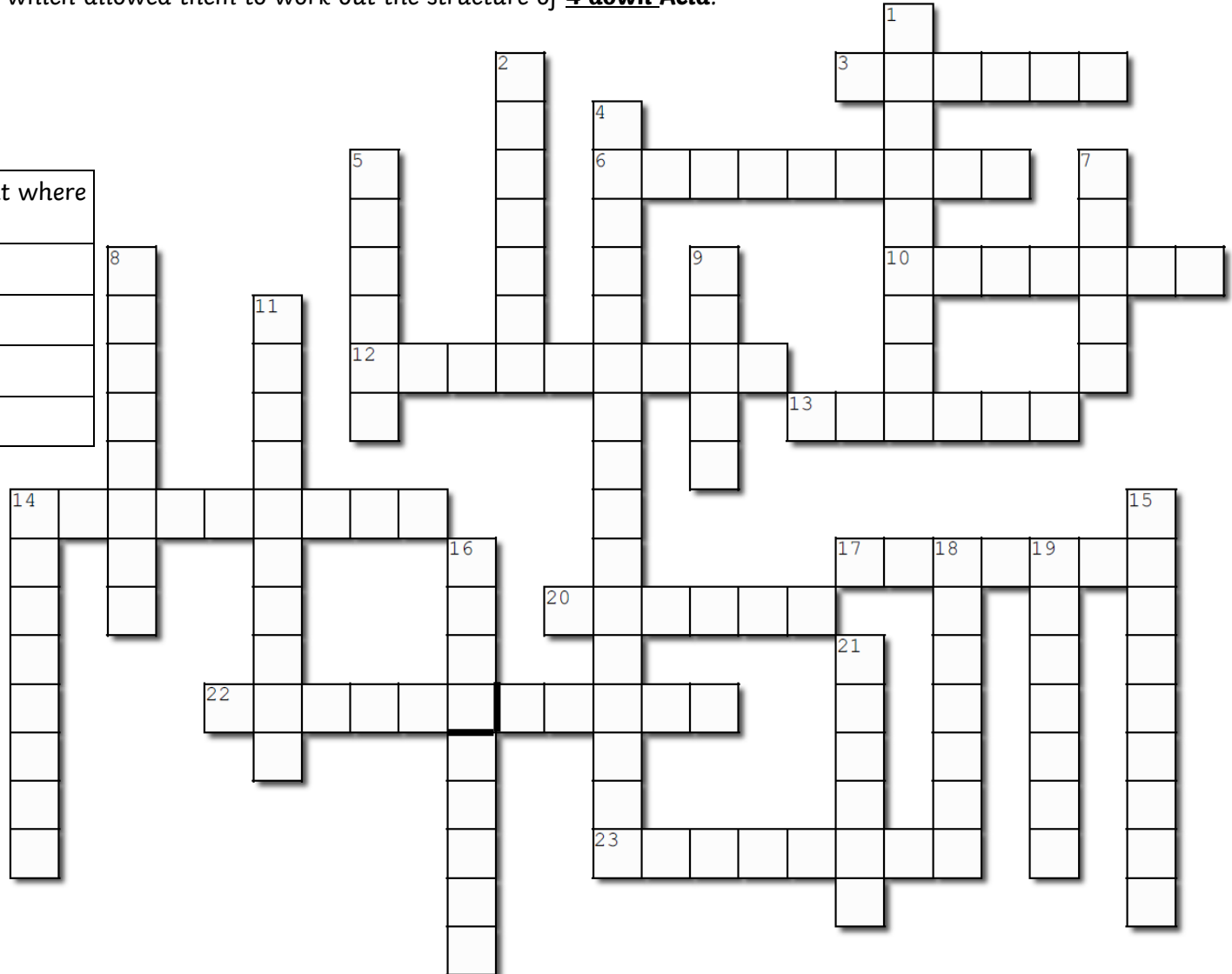


# DNA, inheritance & evolution

Solve the clue sets to complete the crossword.

Unscramble	
3 across	E N T R A P
6 across	O U T L I V E N O
9 down	S E E N G
16 down	S E B A R A P I S
19 down	H I I N T E R

**Gregor 13 across** was a monk who studied pea plants. He worked out that offspring got their characteristics from their parents. **Charles 21 down** was a naturalist who realised that evolution was caused by variations between animals & plants. His theory became known as "**14 down** of the Fittest". **Maurice 2 down** worked in the same lab as **Rosalind 8 down**. He showed her photograph of the **22 across shape** to **James 5 down** and **Francis 7 down**, which allowed them to work out the structure of **4 down Acid**.



When the rest of the answers are in place, work out where these words fit. Write your own short clues.	
OFFSPRING	
CYTOSINE	
GUANINE	
VARIATION	

Crack the code: each number is a letter												
A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26
10 across	20, 8, 25, 13, 9, 14, 5											
14 across	19, 5, 12, 5, 3, 20, 9, 15, 14											
20 across	13, 21, 20, 1, 20, 5											
11 down	1, 4, 1, 16, 20, 1, 20, 9, 15, 14											
15 down	18, 5, 16, 12, 9, 3, 1, 20, 5											
18 down	1, 4, 5, 14, 9, 14, 5											

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10 across	20, 8, 25, 13, 9, 14, 5											
14 across	19, 5, 12, 5, 3, 20, 9, 15, 14											
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15 down	18, 5, 16, 12, 9, 3, 1, 20, 5											
18 down	1, 4, 5, 14, 9, 14, 5											

## **Across**

- 3. PARENT
- 6. EVOLUTION
- 10. THYMINE
- 12. OFFSPRING
- 13. MENDEL
- 14. SELECTION
- 17. GUANINE
- 20. MUTATE
- 22. DOUBLE HELIX
- 23. CYTOSINE

## **Down**

- 1. VARIATION
- 2. WILKINS
- 4. DEOXYRIBONUCLEIC
- 5. WATSON
- 7. CRICK
- 8. FRANKLIN
- 9. GENES
- 11. ADAPTATION
- 14. SURVIVAL
- 15. REPLICATE
- 16. BASE PAIRS
- 18. ADENINE
- 19. INHERIT
- 21. DARWIN