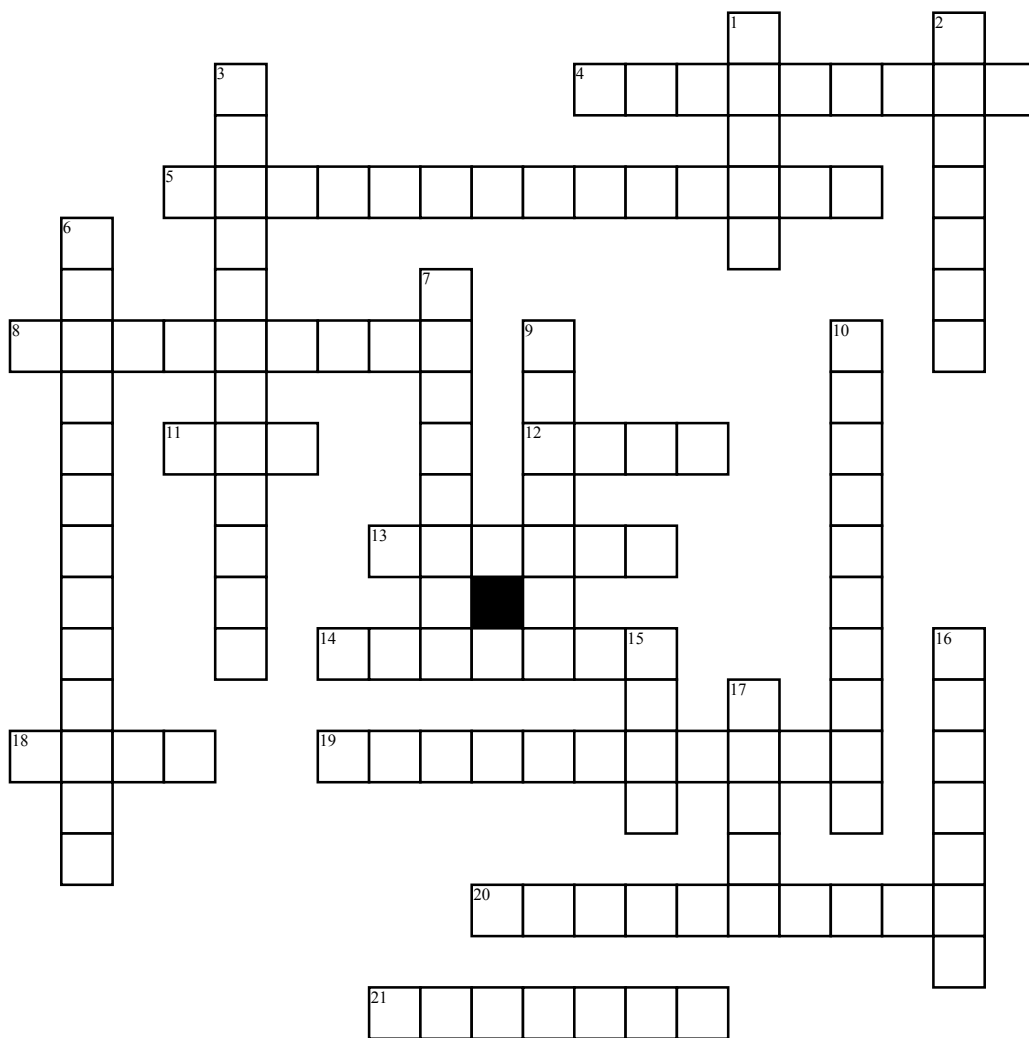


Down syndrome



Across

4. Muscle tone in Down syndrome individuals are noticeably _____ from those of individuals without the disorder.
5. The failure of the chromosome to separate is known as _____.
8. Mis-division in the cells after fertilization is known as _____ down syndrome.
11. Advanced maternal _____ remains the most conspicuous risk factor in non-disjunction.
12. When Down syndrome was first researched, it was predicted that the increased distance between their _____ may make it less likely to be ambushed by danger.
13. Down syndrome individuals have physical and _____ variations.

14. It is believed that _____ selection has kept the disorder within the human population due to its possible beneficial features.
18. Robertsonian translocation, when the _____ arm of chromosome 21 is attached to another chromosome (usually chromosome 14).
19. Down syndrome is a _____ disorder.
20. Babies who have been diagnosed with Down syndrome typically have very low _____, which might have allowed them to conserve calories to avoid starvation in the environment of evolutionary adaptedness.
21. There is _____ variation in the mineral and vitamin concentrations amongst both populations.

Down

1. Another feature of individuals with this disorder is a smaller _____.

2. Nondisjunction occurs in either _____ I or II.
3. _____ occurs in prophase I.
6. _____ Down syndrome is when the two long arms separate together.
7. Chromosome 21 is the _____ human autosome.
9. The shorter the pregnancy, the _____ the risk.
10. Trisomy 21 is most commonly _____ derived.
15. Down syndrome individuals experience significantly MORE or LESS crossing over on chromosomes 2.
16. Down syndrome is also known as _____ 21.
17. The concentrations of 5 trace elements found in our body often vary in individuals that have trisomy 21. This influences the formation of _____ acids.

Word Bank

- | | | | | | |
|-------------|-----------|------------|------------|----------------|---------------|
| chromosomal | decreased | smallest | metabolism | amino | mosaicism |
| eyes | minimal | brain | less | nondisjunction | Crossing over |
| mental | greater | maternally | trisomy | isochromosome | age |
| natural | meiosis | long | | | |