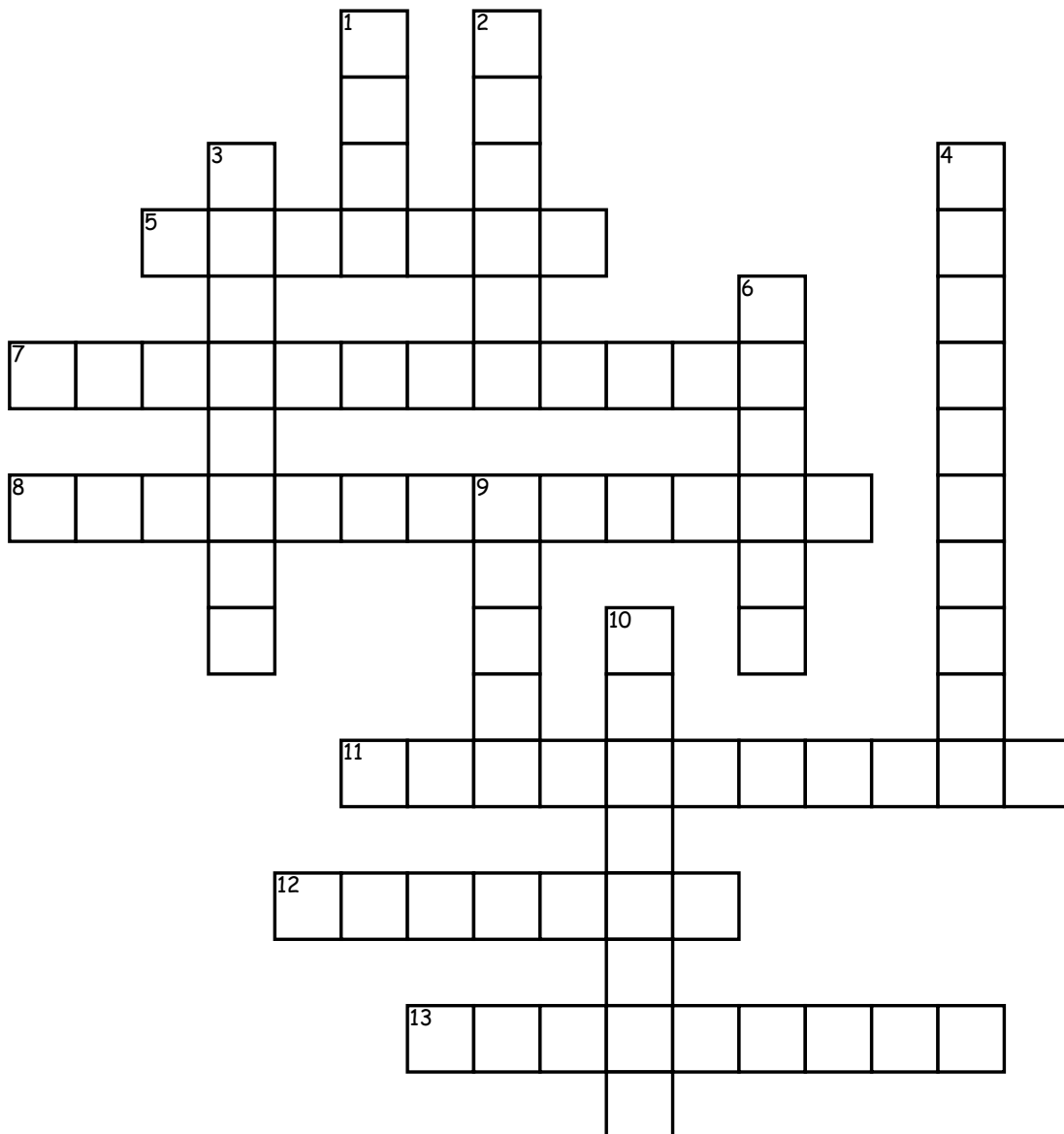


X and Y chromosomes



Across

5. Meiosis produces these. In humans they are the sperm and egg.
7. Hormone which is responsible for maintaining the uterus lining
8. The process where the gametes fuse together
11. A thread-like structure which carries genetic information in the form of genes.

12. A specialised cell that transmits electrical impulses.

13. Mitosis produces two genetically ? daughter cells

Down

1. A distinct sequence of nucleotides forming part of a chromosome

2. Two or more alternative forms of a gene

3. Meiosis produce four ? cells.

4. A compound consisting of a phosphate group, sugar molecule and base

6. The entire genetic material of an organism

9. De-oxiribose is a ? molecule that makes up a nucleotide

10. An allele that is almost always expressed, even if only one copy is present.