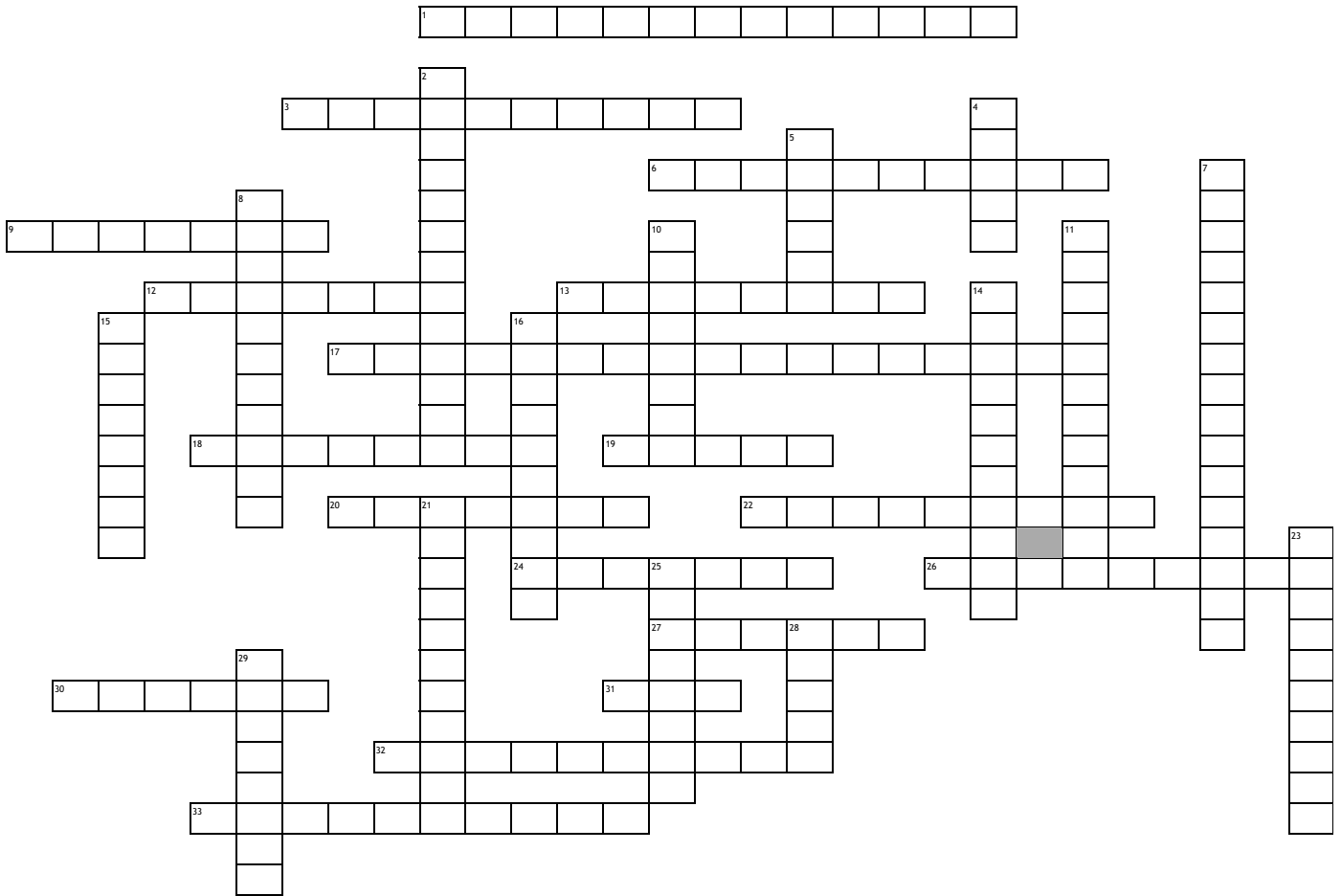


Name: _____

Stem Cells



Across

1. union of egg and sperm to form a zygote
3. refers to a cell that can differentiate into all different cell types
6. ectoderm, mesoderm and endoderm
9. membrane bound organelle containing the genetic material DNA
12. environmental factor that causes gene mutations
13. a tumour of melanin-forming cells
17. cover flat surfaces
18. the middle layer of cells or tissues of an embryo
19. developing human baby from week nine to birth
20. cell division that results in two daughter cells
22. release of an egg from the ovary
24. cell division that results in four daughter cells
26. pre-birth development in humans
27. a disease caused by an uncontrolled division of abnormal cells in a part of the body
30. fertilised egg that results from the fusion of haploid gametes
31. female gamete
32. potential source of embryonic cells
33. a process where malignant tumours spread throughout the body

Down

2. to become more specialised
4. male gamete
5. early stage of a developing organism
7. unspecialised
8. refers to a cell that can differentiate into a number of closely related cells
10. structure in an ovary where an egg develops
11. a defect involving chromosome 21
14. a cell that can differentiate into many different cell types
15. a primary germ layer
16. thread-like structure composed of DNA and protein
21. cells of the outer layer of the blastocyst
23. a hollow fluid-filled structure
25. gene that signals cells to continue dividing
28. replicate a fragment of DNA
29. an undifferentiated cell of a multicellular organism