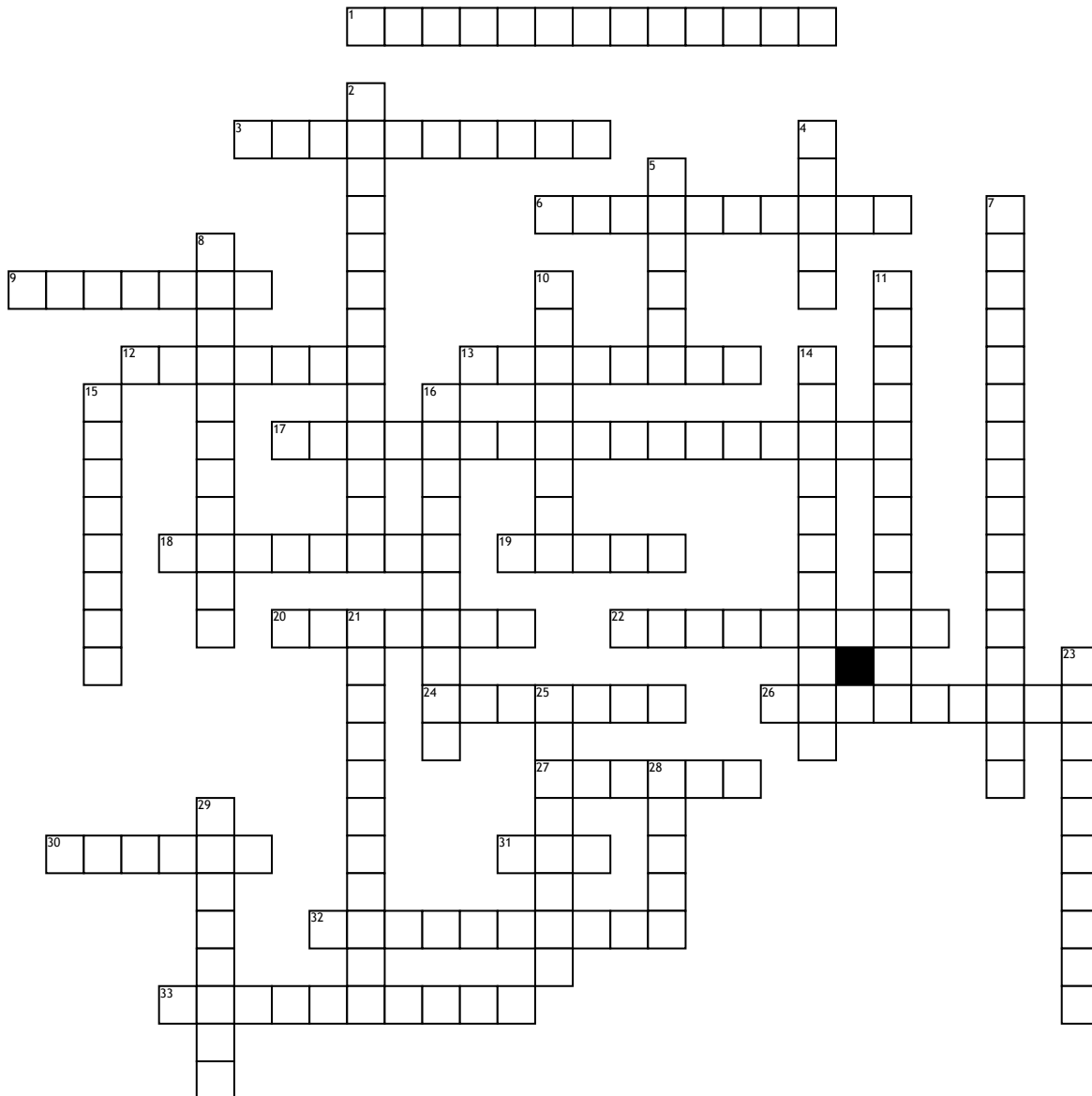


Name: _____

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