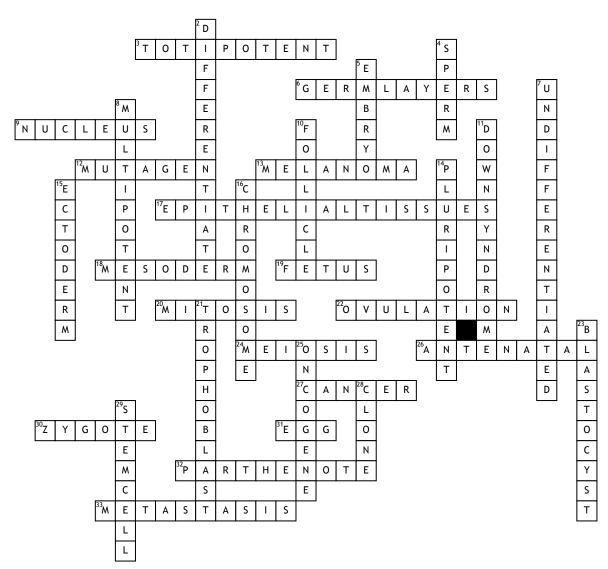
Stem Cells





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 developement 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