

National 5 Biology

Stem Cells & Meristems

1. Define a stem cell. (1)
2. What does an organism use stem cells for? (1)
3. Name the 2 types of stem cell. (2)
4. Give 4 examples of how stem cells can be used in medicine, and a description of each. (4)
5. Define a meristem. (1)
6. Give 2 places in a plant where meristems would be found. (2)
7. Name 2 animal and 2 plant tissues that can be formed when cells specialise. (4)
8. Describe the difference between plant growth and animal growth. (1)
9. Stem cell technology has many issues surrounding it. Give 2 arguments FOR and 2 arguments AGAINST the use of embryonic stem cells. (4)

Total - 20