

# Cell division recall questions

1. What happens to the number of cell chromosomes before cell division?
2. Write down two other sub-cellular structures that must also increase in number.
3. What type of cell division is important for growth?
4. What can a stem cell do?
5. Say three different places stem cells are found
6. Say two different illnesses stem cells may be able to help.
7. In medicine what name is given to producing an embryo with the same genes as the patient?
8. What is the main benefit of therapeutic cloning?
9. Say one medical reason why therapeutic cloning might be risky.
10. Say one ethical reason why some people disagree with therapeutic cloning.
11. Say two advantages of cloning plants using meristem stem cells.

# Cell division recall answers

1. Duplicates
2. Mitochondria and ribosomes
3. Mitosis
4. Differentiate to become specialised cells
5. Bone marrow, humane embryos, plant meristem.
6. Paralysis and diabetes.
7. Therapeutic cloning
8. Less chance of rejection
9. Embryos may be contaminated by viruses
10. Embryos are potential human lives
11. Cheap, quick, produce rare speies