

## **National 4 - Unit 1 (Cells) Revision Questions**

1. Draw the different steps in mitosis. Pay careful attention to the number of chromosomes there are in the parents and then identical daughter cells.
2. When cells divide over and over again and the body does not stop cell division as it should, what does this cause?
3. Where is DNA found in all cells?
4. DNA is the code which gives living things the instructions to make what?
5. Why are proteins important in our body?
6. Why can DNA be used to identify criminals from a crime scene?
7. Give two potential uses of stem cells.
8. What do enzymes do in cells?
9. Explain why enzymes can be used over and over again.
10. Enzymes are specific, what does this mean?
11. Give two reasons why microorganisms are useful (HINT: What do they eat, how do they grow?).
12. Name two things yeast can be used to make.
13. Name two things bacteria can be used to make.
14. Name the environmental factors that can affect the speed of photosynthesis.
15. Temperature can affect the rate of respiration as it is a process controlled by enzymes. Name something else that can affect the rate (how quickly) respiration happens?

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