**Answers:**

1. DNA, organelles, nucleus, cell structures
2. place where aerobic respiration occurs
3. Adenine cytosine guanine thymine
4. double helix
5. mitosis and meiosis
6. mitosis produces two cells which are genetically identical to the parent cells and cells have 46chromosomes. meiosis produces four cells which are genetically different to the parent and only have 23chromosomes
7. 8 cell stage
8. 10mm
9. long strands of DNA
10. sections of chromosomes that contain instructions
11. proteins
12. genes become switched on in t he cell
13. plant stem cells
14. Growth of plant towards light
15. promote the growth of meristem cells