13. Prophase:

the sister chromatids are joined by a centromere to make chromosome. the DNA (chromosomes) condenses, becoming shorter and thicker.

sister chromatids = two identical copies of a chromatid that are connected by a centromere chromatid = one of the identical strands of DNA that will make up a chromosome

Metaphase:

Chromosomes line up in the middle of the cell Spindle fibres pull the chromosomes into the middle of the cell Nuclear membrane dissolves

Anaphase:

sister chromatids separate into two identical single stranded parts (architechromosomes) the centromere splits/breaks spindle fibres pull the daughter chromosomes toward opposites for cell

Telophase:

y from Not 3 OT start to lengthen chromosomes are acon oste ends of the daughter chromosomes = stretch out, become thinner, no longer visible new nuclear membrane forms the cells appears to have two nuclei

14. Cytokinesis: final stage cytoplasm divides 2 genetically identical daughter cells are formed

15. What is a somatic cell? any cell of a living organism other than the reproductive cells

16. How many chromosomes are found in a human somatic cell? Haploid cell? Somatic = 46Haploid = 24

17. Rod-shaped structure that contains DNA and is located in the nucleus