

REP 7 – Meiosis Model



Cell Parts associated with meiosis

1. outer cell membrane
2. cytoplasm
3. nucleus
4. nucleolus
5. centrioles (dark double structures)
6. aster
7. chromatin threads (in no. 23 only on model)
8. spindle in process of formation
9. spindle fibril
10. chromosome
11. chromatid
12. centromere

Parts and structures unique to meiosis

13. primary spermatocyte
- 13a. early metaphase of cell division
- 13b. anaphase of cell division
14. secondary spermatocyte
- 14b. secondary spermatocyte in process of reduction division
15. spermatids
16. spermatozoa
17. primary oocyte
- 17a. metaphase of cell division
18. secondary oocyte (forming)
19. first polar body (forming)
20. ootid (forming)
21. second polar bodies (one in process of dividing; two complete)
22. ovum
23. diploid cell (result of the union of sperm and ovum)