

COMPARING MITOSIS AND MEIOSIS

Name _____

Determine whether the following characteristics apply to mitosis, meiosis or both by putting a check in the appropriate column(s).

Mitosis

Meiosis

1. no pairing of homologs occurs
2. two divisions
3. four daughter cells produced
4. associated with growth and asexual reproduction
5. associated with sexual reproduction
6. one division
7. two daughter cells produced
8. involves duplication of chromosomes
9. chromosome number is maintained
10. chromosome number is halved
11. crossing over between homologous chromosomes may occur
12. daughter cells are identical to parent cell
13. daughter cells are not identical to parent cell
14. produces gametes
15. synapsis occurs in prophase