

## COMPARING MITOSIS AND MEIOSIS

*Determine whether the following characteristics apply to mitosis, meiosis or both. After each statement, type the words **mitosis**, **meiosis** or **both**.*

1. no pairing of homologues occurs
2. two divisions
3. four daughter cells produced
4. associated with growth, repair and asexual reproduction
5. associated with sexual reproduction
6. one division
7. two daughter cells produced
8. involves replication of chromosomes
9. chromosome number is maintained
10. chromosome number is halved
11. crossing over occurs
12. daughter cells are identical to parent cell
13. daughter cells are not identical to parent cell
14. produces gametes