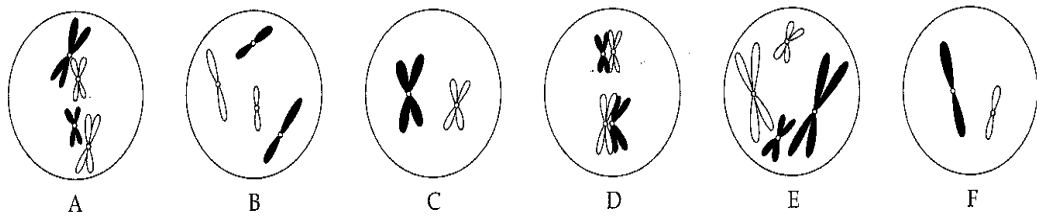


### Matching

The cell model used in this exercise has two pairs of homologous chromosomes, one long pair and one short pair. Match the descriptions to the numbers of chromosomes shown in the sketches below.

2. \_\_\_\_ one cell at the beginning of meiosis II [p.148]
3. \_\_\_\_ a daughter cell at the end of meiosis II [p.149]
4. \_\_\_\_ metaphase I of meiosis [p.148]
5. \_\_\_\_ metaphase of mitosis [p.149]
6. \_\_\_\_ G1 in a daughter cell following mitosis [p.149]
7. \_\_\_\_ prophase of mitosis [p.149]



The following thought questions refer to the sketches above; enter answers in the blanks following each question.

8. How many chromosomes are present in cell E? \_\_\_\_\_ [pp.148–149]
9. How many chromatids are present in cell E? \_\_\_\_\_ [pp.148–149]
10. How many chromatids are present in cell C? \_\_\_\_\_ [pp.148–149]
11. How many chromatids are present in cell D? \_\_\_\_\_ [pp.148–149]
12. How many chromosomes are present in cell F? \_\_\_\_\_ [pp.148–149]