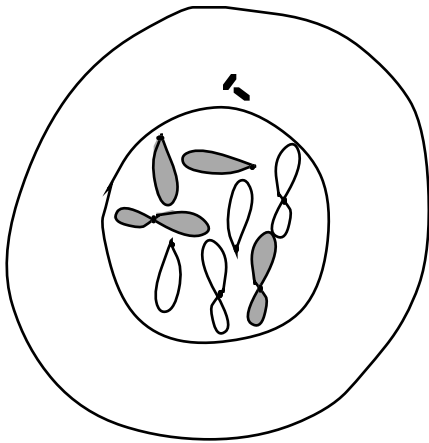


The following is a diploid cell with 4 pair of chromosomes. This is how the chromosomes would appear in G1 interphase if the chromatin condensed. Redraw the following stages of the cell cycle showing what happens to the chromosomes and other parts of the cell during mitosis: prophase, metaphase, anaphase, telophase



prophase

metaphase

anaphase

telophase

Using the same beginning cell as in mitosis, have the cell undergo the stages of meiosis below.

Prophase I

Metaphase I

Anaphase I

Telophase I/Prophase II

Metaphase II

Anaphase II

Telophase II