

MitosisOrMeiosis.java

Mrs. Frazier was pregnant (twice actually – she wrote this prompt when she was pregnant a second time). When she found out she was pregnant, she had all of the routine blood tests done to make sure the pregnancy was proceeding normally, in the first three months (a miscarriage is common within the first three months). When those blood tests came back funky, she had her doctor collect cells floating around the baby to determine what problems there might be (some cells were dead skin cells from the baby, dead skin cells from Mrs. Frazier, and some may have been reproductive cells from Mrs. Frazier). Scientists looked at the cells and determined what stage they were in, creating Cells.txt.

Cells.txt:

Interphase

Metaphase

Anaphase I

Telophase II

Prophase

Prophase I

Metaphase II

Interphase

Anaphase

Telophase

Prophase I

Prophase

Anaphase I

Separate the terms into three files, according to the rules below.

Interphase.txt should get the term Interphase.

Meiosis.txt should get any terms that end with I or II.

Mitosis.txt should get any other terms.

Read Cells.txt and filter the file, writing all three files (Interphase.txt, Meiosis.txt, and Mitosis.txt).