**Investigating Meiosis I (p.48 + 49 SciencePower 9)(mitosis is on p.18)**

1) There are \_\_\_ double stranded chromosomes in prophase I.

Sketch of Meiosis Prophase I compared to Mitosis Prophase

2) Sketch of Meiosis Metaphase I compared to Mitosis Metaphase

3) Comparison of Meiosis Anaphase I compared to Mitosis Anaphase (use homologous pair and double stranded chromosome)

4)Meiosis Telophase I compared to Mitosis Telophase

They are similar in that

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

They are different in that

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Investigating Meiosis II (p.48 + 49 SciencePower 9)**

1) Differences between Meiosis Prophase II compared to Meiosis Prophase I

2) In Meiosis Metaphase II the following are happening:

The difference(s) between Meiosis Metaphase II and Meiosis Metaphase I is/are

3) Differences between Meiosis Anaphase II compared to Meiosis Anaphase I.

The one that is more like Mitosis Anaphase is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Differences between Meiosis Telophase II compared to Meiosis Telophase I.

In particular the difference in the chromosomes are that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Differences between **Meiosis Telophase II** compared to **Mitosis** Telophase. (paragraph form)

6) After Meiosis Telophase II, there are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_new cells.

Sketch of cells that are made after the cytoplasm divides following Meiosis Telophase II.

ATTACH ANALYZE QUESTIONS ON A SEPARATE PAGE. USE PROPER VOCABULARY.