



CHAPTER 5: CELL DIVISION



Comparing and Contrasting Meiosis I and Meiosis II

- When are chiasmata formed?
 - During anaphase I
 - During prophase I
 - During prophase II
 - During metaphase II
- During which stage of meiosis do homologous chromosomes separate?
 - Prophase I
 - Anaphase I
 - Anaphase II
 - Telophase II
- Which of the following concerning both meiosis I and meiosis II are true?
 - Have four phases
 - Involve cytokinesis
 - Involve nuclear divisions
 - Produce four different daughter cells
 - I and III
 - I and IV
 - II and III
 - II and IV
- Which of the following concerning both metaphase I and metaphase II are true?
 - Spindle fibres are formed.
 - The nuclear membrane disappears.
 - The homologous pairs align side by side at the spindle equator.
 - The haploid number of chromosomes align at the spindle equator.
 - I and II
 - III and IV
 - I, III and IV
 - I, II, III and IV
- During telophase I and telophase II...
 - cytokinesis takes place.
 - the nuclear membrane is re-formed.
 - four haploid daughter cells are formed.
 - homologous chromosomes are re-formed.
 - I and II
 - III and IV
 - I, III and IV
 - I, II, III and IV