

Meiosis project (Lab) – Use pages 50-51 of text as a reference.

- 1) Draw each stage of meiosis on template provided (see back of this page).
- 2) Label each specific stage of meiosis

***Prophase 1 and 2, Metaphase 1 and 2, Anaphase 1 and 2, Telophase 1 and 2
(we'll leave out interphase)***

- 3) Number each stage so the order of meiosis is shown clearly
- 4) Explain what is happening during each stage of meiosis. Be sure to use these terms: haploid, diploid, sister chromatids, homologous pairs of chromosomes, spindle, cytokinesis, crossing-over, etc.
- 5) Use 2 homologous pairs of chromosomes in your drawings to start.
- 6) Use different colours for the male and female chromosomes.
- 7) Colour each of the cells and the template.

Marking scheme

Diagrams: /10

Explanation of each stage of meiosis including correct use of terms: /20

Neatness: /5

Colour: /5

Total marks: 40

