MEIOSIS FLIP BOOK ASSIGNMENT

In this activity we will:
- distinguish meiosis from mitosis in terms of outcomes

Purpose: *In this activity you will be constructing flip books of the stages of Meiosis on the templates provided.*

Using your notes and any diagrams that you have available on the process of Meiosis you will draw what is happening to the cell in each of the 8 stages. You will have more than one card for each of the stages to show the many processes and changes that are taking place. When you flip the flip book you should be able to see chromosomes moving slowly, centrioles moving and forming spindle fibres out of microtubules, parts of the cell appearing and disappearing and the cell splitting into 2 and finally 4 four haploid cells.

Your flip books must include the following;

- The events of Meiosis I and Meiosis 2 in fine detail
- Please use 3 homologous chromosomes tetrads when you begin your drawings for Prophase I
- The use of color to distinguish homologous chromosomes
- All completed pages will be glued to construction paper to make them stronger
- You do not have to use every card on the template (I just didn't want you to run out)

Your flip book will be marked out of 40 according to the following rubric

CONTENT	ORGANIZATION	CREATIVITY
Includes specific diagrams about the events of Prophase I and II, Metaphase I and II, Anaphase I and II and Telophase I and II **15 points max.**	Information is well organized and displayed. Assignment is well developed with specific and complete information. **15 points max.**	Information is presented in a highly creative and innovative manner. Makes effective use of space available. **10 points max.**
Includes specific diagrams about Meiosis but lacks complete information on the stages – or – the importance of the organelles involved. **13 points max.**	Information is well organized. While it is detailed, it lacks some clarity. **13 points max.**	Creative presentation and effective use of space. **8 points max.**
Includes diagrams on meiosis but the information is generalized. **11 points max.**	Information is organized but not well integrated. **11 points max.**	Information presented in a clear manner but lacks some creativity. Uses space well. **7 points max.**
Includes diagrams on meiosis but the information lacks detail and accuracy. **9 points max.**	Information is weakly organized and not well developed. **9 points max.**	Presentation has little creativity and inefficiently uses space. **6 points max.**
Inaccurate information. **7 points max.**	Information provided is brief and shows poor organization. **7 points max.**	Presentation lacks creativity and fails to use entire space. **5 points max.**

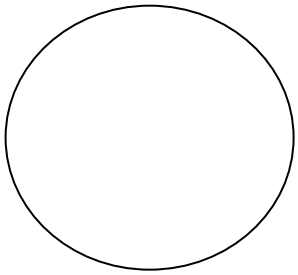
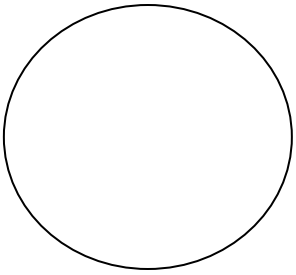
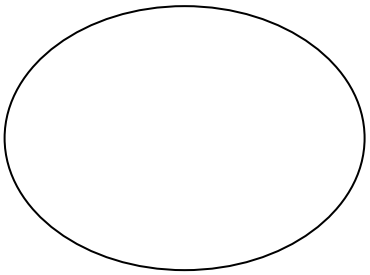
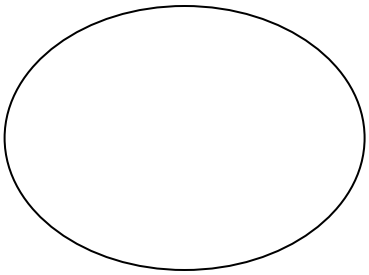
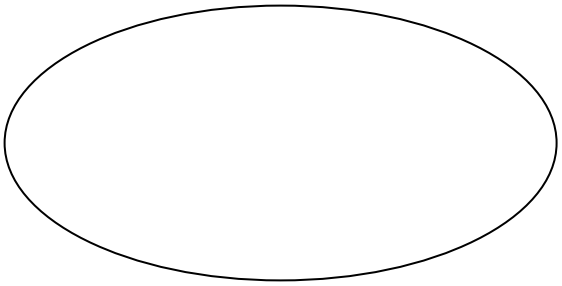
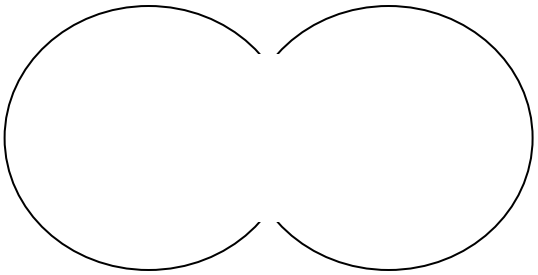
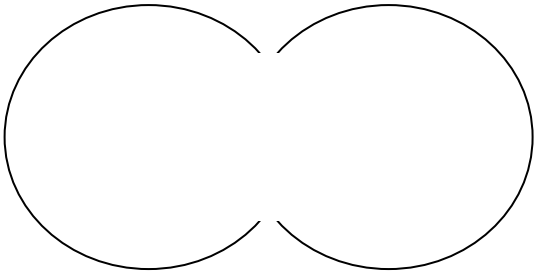
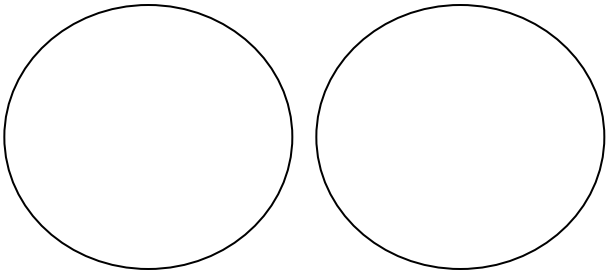
MEIOSIS FLIP BOOK

By _____

Prophase I

Metaphase I

Anaphase I	
	Telophase I

Prophase II	
Metaphase II	
Anaphase II	

Telophase II