

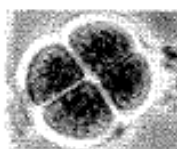
EOR#10: Meiosis Anticipation Guide

1. **BEFORE** you begin reading the sections from the book, examine the statements below and indicate in the Pre Reading column whether you think the statements are true or false.
2. Then read sections **8.12 to 8.23**.
3. **AFTER** reading, examine the statements below again. Identify in the Post Reading column whether the statement is true or false.
4. In the page number column, indicate the exact page number where you found the information for each statement
5. Finally, if the statement is **FALSE**, write a corrected statement in the bolded box below each false statement.



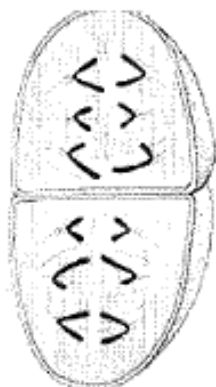
	Pre Reading (T/F)	Post Reading (T/F)	Page number	
1.				Sister chromatids separate and move in opposite directions during Metaphase I.
2.				Meiosis cell division starts with a haploid cell and ends with a diploid cell.
3.				A karyotype of a human with Down Syndrome would show 45 chromosomes.
4.				Homologous chromosomes are identical because they have exactly the same size, shape and gene code letters
5.				Crossing over and exchange of DNA between homologous chromosomes occurs during Prophase I.
6.				Any cell that contains X shaped "double chromosomes" is a diploid cell.
7.				Each homologous pair of chromosomes randomly lines up above or below the equator separate from the next chromosome pair during Anaphase 2.
8.				DNA only appears as chromatin "noodles" during interphase of the cell cycle.
9.				A tetrad occurs at the end of Meiosis when 4 different gametes are formed
10.				During meiosis, homologous chromosome pairs separate and move opposite directions before sister chromatids separate and more opposite directions

Meiosis

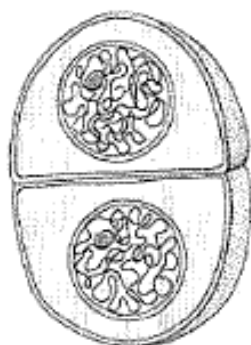


On each of the images, label the phase of meiosis

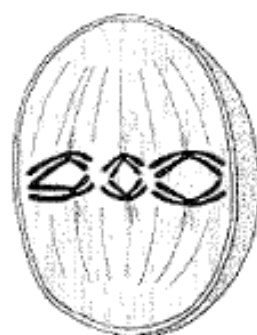
1. _____



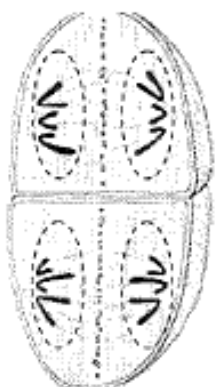
2. _____



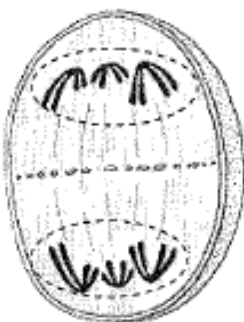
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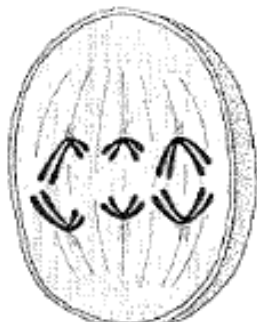
4. _____



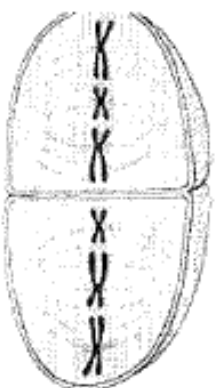
5. _____



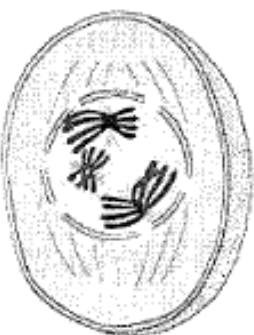
6. _____



7. _____



8. _____



9. _____

