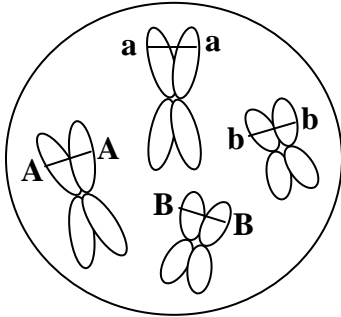
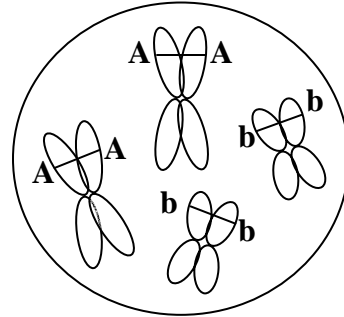


Mitosis and Meiosis

In this exercise you will be using the following parental cell information to complete a series of drawings. In the space provided below each subheading draw and label each cell's chromosomes. Make sure to label each gene.

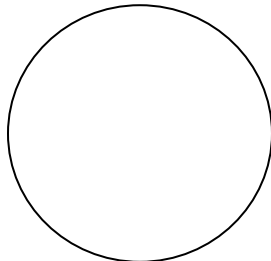


Female

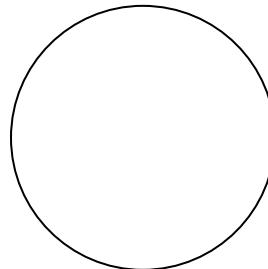


Male

1) Draw the cells in Metaphase of Mitosis

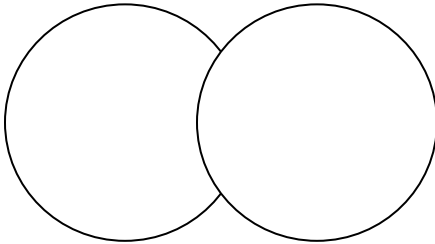


Female

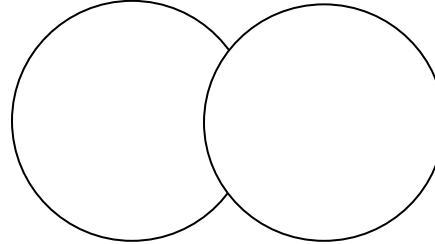


Male

2) Draw the cells in Telophase of Mitosis

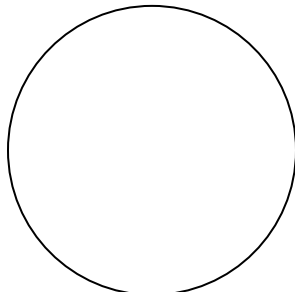


Female

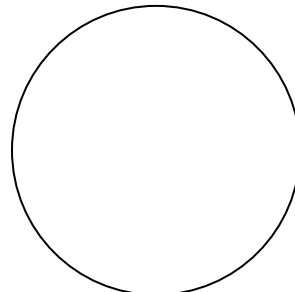


Male

3) Draw the cells in Metaphase I of Meiosis

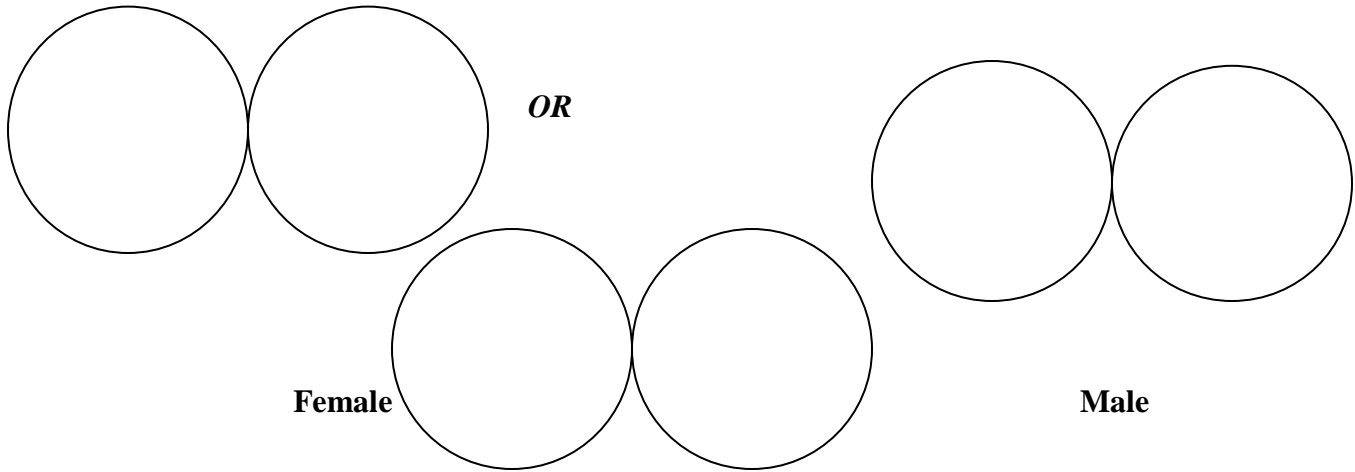


Female

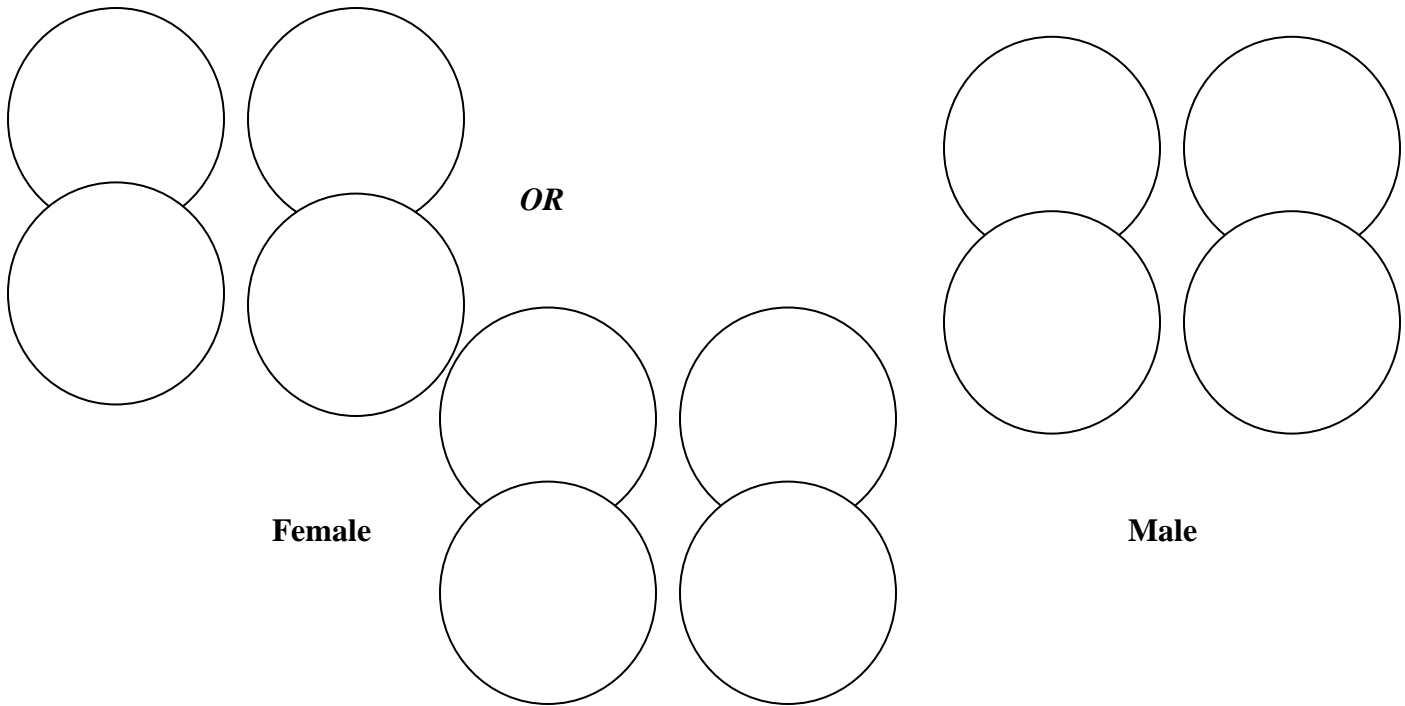


Male

4) Draw the cells in Metaphase II of Meiosis



5) Draw the cells in Telophase II of Meiosis



6) What are the possible genotypes of offspring if this female and male were to mate? *Tip: Use each gamete's genotype to complete the Punnett square.*

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