

Answer the following questions in the space provided.

Questions

1. Illustrate the events that occur during nondisjunction in meiosis I and meiosis II. Use labelled diagrams.
2. The disorders listed below occur as a consequence of nondisjunction of sex chromosomes in meiosis I or meiosis II. For each disorder, state whether monosomy or trisomy results.
 - a) Turner syndrome (XO) _____
 - b) Klinefelter syndrome (XXY) _____
 - c) Jacobs syndrome (XYY) _____