DATE: NAME: CLASS:

CHAPTER 16 HANDOUT	Nondisjunction Worksheet	BLM 16.3.9

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) _____

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