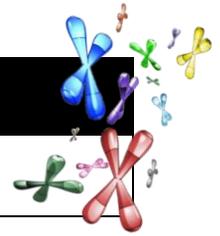


Name: \_\_\_\_\_

Nondisjunction



# Nondisjunction Syndromes/Disorders

**Nondisjunction:** Homologous Chromosomes or chromatids don't separate during meiosis (Anaphase I or Anaphase II).

**Task:** Fill in the table. Use your textbook and research the Internet to find all information.  
List at least **three symptoms** of each disorder.

Syndrome	Who can have it? Male and/or females	Chromosome Number (Monosomy/Trisomy)	Main Symptoms
1. Down syndrome	Male or females can have it.	<ul style="list-style-type: none"><li>• 47 chromosomes</li><li>• Trisomy 21</li></ul>	<ul style="list-style-type: none"><li>• Impairment of physical growth</li><li>• Below-average cognitive ability</li><li>• Physical features such as almond-shaped eyes, enlarged tongue</li></ul>
2. Patau			
3. Edward			

Name: \_\_\_\_\_

Nondisjunction

<b>Syndrome</b>	<b>Who can have it? Male and/or females</b>	<b>Chromosome Number (Monosomy/Trisomy)</b>	<b>Main Symptoms</b>
4. Turner			
5. Klinefelter			
6. Jacobs			
7. Triplo-X			