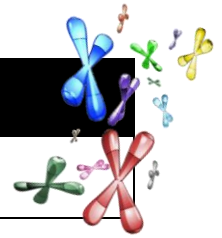


Name: _____

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">47 chromosomesTrisomy 21	<ul style="list-style-type: none">Impairment of physical growthBelow-average cognitive abilityPhysical features such as almond-shaped eyes, enlarged tongue
2. Patau			
3. Edward			

Name: _

Nondisjunction

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