

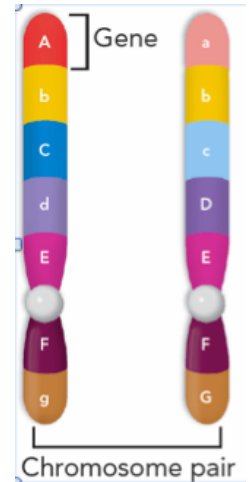
4Name: _____

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Cornell Notes Topic: Heredity Notes #4 Chromosomes and Inheritance

Concepts / Images	Notes / Sketches
What is genetics?	Genetics is the study of _____.
What is fertilization?	A form of sexual r _____ when an e _____ and s _____ cell j _____ to form a n _____ cell, such as in Mendel's pea plants.
What did Sutton discover?	Grasshopper sex cells have 12 c _____ while their normal cells have _____ chromosomes that exist as 12 _____. One chromosome in each pair comes from e _____ parent.
How many chromosomes in a human body cell?	Human cells have 46 c _____ that form _____ pairs.
What happens during meiosis?	Chromosomes are made up of many _____ joined together like beads of string.
What happens during meiosis?	Meiosis produces _____ cells for sexual r _____. During m _____ the chromosome pairs separate into _____ different c _____. The sex cells that form later have only h _____ as many c _____ as the other c _____.



After Meiosis
Four sex cells are produced. Each cell has the number of chromosomes of the cell. Each sex cell has only _____ chromosome from an original pair.
How many chromosomes are in each cell in Step 3?

