



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

### Match each of the following terms to its definition:

Inbreeding

Meiosis

Karyotype

Homozygous

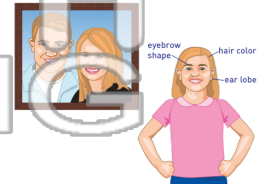
Hybridization

Heredity

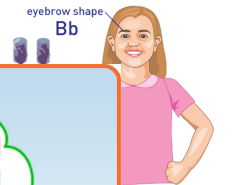
Heterozygous

Mendel, Gregor

1. \_\_\_\_\_ - the passing of traits and characteristics from parents to offspring



2. \_\_\_\_\_ - an organism that has two different alleles for a particular trait



3. \_\_\_\_\_ particula

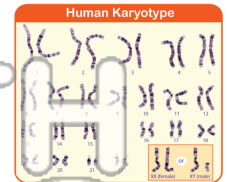


4. \_\_\_\_\_ offspring

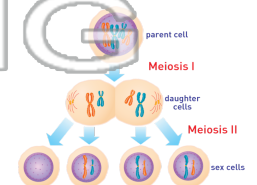
5. \_\_\_\_\_ traits to

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6. \_\_\_\_\_ - a picture of the actual chromosomes of the organism, arranged in pairs



7. \_\_\_\_\_ - cellular process responsible for producing sex cells (egg and sperm) that contain half the number of chromosomes of the parent cell



8. \_\_\_\_\_ - an Austrian monk and teacher who developed the foundation of genetics based on his pea plant studies





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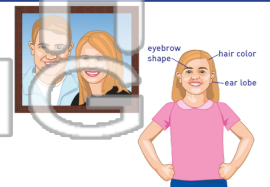
Hybridization

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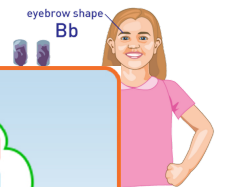
Heterozygous

Mendel, Gregor

1. **heredity** - the passing of traits and characteristics from parents to offspring



2. **heterozygous** - an organism that has two different alleles for a particular trait



3. **homozygous** - an organism that has two identical alleles for a particular trait



4. **hybrid** - offspring of two parents with different traits

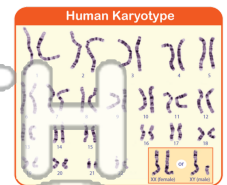


5. **inbreeding** - the production of offspring from parents that are closely related

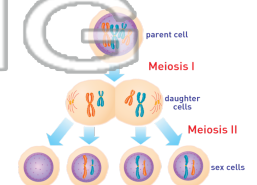
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6. **karyotype** - a picture of the actual chromosomes of the organism, arranged in pairs



7. **meiosis** - cellular process responsible for producing sex cells (egg and sperm) that contain half the number of chromosomes of the parent cell



8. **Mendel, Gregor** - an Austrian monk and teacher who developed the foundation of genetics based on his pea plant studies

