

NGS Magnified Task Cards
are an engaging, versatile
educational tool that
reinforces learning,
differentiates instruction,
and promotes independent
and collaborative work.

DECIDE

Science of Heredity
1

The passing of characteristics from parents to offspring is ____.

- a. crossing over c. dominance
- b. heredity d. meiosis

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EXPLAIN

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2

What does the notation TT mean to geneticists?

LIST

List four traits Mendel studied when completing his monohybrid crosses of pea plants.

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5

The exchange of genetic material between homologous chromosomes is ____.

- a. crossing over c. dominance
- b. heredity d. meiosis

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EXPLAIN

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6

What is the probability of producing a tall pea plant from a genetic cross

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9

____ is the type of cell division that produces gametes.

- a. crossing over c. dominance
- b. heredity d. meiosis

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DETERMINE

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If a homozygous black guinea pig (BB) is crossed with a homozygous

COMPLETE

Mendel is sometimes referred to as the Father of

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An organism's physical appearance is ____.

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A ____ cross involves two different traits.

- a. homozygous c. haploid
- b. fertilization d. dihybrid

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EXPLAIN

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14

What is the end result of meiosis?

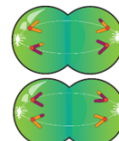
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COMPLETE

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A ____ refers to physical characteristics that is studied in genetics.

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16

IDENTIFY

Identify the phase of meiosis shown above.

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