

Study Guide: Genetics – DNA Basics & Punnett Squares

Grades 6–10

1. Key Vocabulary

Term	Definition
Genetics	The study of heredity and how traits are passed from parents to offspring.
DNA	Deoxyribonucleic acid; the molecule that contains genetic instructions.
Gene	A segment of DNA that codes for a specific trait.
Chromosome	A structure made of DNA that contains many genes; humans have 46 (23 pairs).
Allele	Different forms of the same gene (e.g., dominant or recessive).
Dominant	An allele that will express its trait even if only one copy is present (capital letter).

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Study Guide and Solutions Manual for Students, to Accompany General Genetics David Freifelder, Leon A. Snyder, 1985

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Essentials of Genetics William S. Klug, 2010 Key Benefit Known

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web solution if you can t see the sugar how can you tell that it is there does sugar dissolve more easily in hot water or cold water gizmo w arm up a solution generally consists of two parts a solute that is dissolved and a solvent that the solute is dissolved into for example sugar is a solute that is dissolved into the solvent water in the

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web 1 in this solution what is the solute potassium nitrate what is the solvent water 2 click add 10 g to mix 10 g of potassium nitrate into the water a did all of the potassium nitrate dissolve b how can you tell yes all of the potassium nitrate disappeared as it was stirred into the water activity a solubility

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