

Middle School Biology

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| 14C | Recognize that inherited traits of individuals are governed in the genetic material found in the genes within chromosomes in the nucleus. | DNA Extraction Kit |
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High School Biology

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| 1A | Demonstrate safe practices during laboratory and field investigations | All kits |
| 6A | Identify components of DNA, identify how information for specifying the traits of an organism is carried in the DNA, and examine scientific explanations for the origin of DNA | Engineer-it kit |
| 6B | Recognize that components that make up the genetic code are common to all organisms | Engineer-it kit |
| 6C | Explain the purpose and process of transcription and translation using models of DNA and RNA | Engineer-it kit
Plate Extract-it kit |
| 6D | Recognize that gene expression is a regulated process | Induce-it kit
RGB kit
Heat-it Kit |
| 6E | Identify and illustrate changes in DNA and evaluate the significance of these changes | Engineer-it kit (Full Rainbow) |
| 9A | Compare the functions of different types of biomolecules, including carbohydrates, lipids, proteins, and nucleic acids | Canvas kit |
| 9C | Identify and investigate the role of enzymes | Smell-it kit
Blue-it kit |
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High School Chemistry

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| 8A | Define and use the concept of a mole | |
| 8B | Calculate the number of atoms or molecules in a sample of material using Avogadro's number | |
| 8C | Calculate percent composition of compounds | Plate Extract-it kit
Smell-it kit |
| 8E | Write and balance chemical equations using the law of conservation of mass | Blue-it kit |
| 8G | Perform stoichiometric calculations, including determination of mass and gas volume | |
| 8H | Describe the concept of limiting reactants in a balanced chemical equation | |
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AP Biology/IB Biology
All Kits

AP Chemistry/IB Chemistry
Plate Extract-it kit
Smell-it kit
Blue-it kit