



Alignment for AP® Biology

Big Ideas	 FlinnPREP™ Inquiry Labs for AP® Biology	 FlinnPREP™ Course for AP® Biology
1	Lab 1: Artificial Selection	Unit 5: Mendelian and Molecular Genetics Unit 7: Natural Selection Unit 8: Evolution: Populations
	Lab 2: Understanding Evolutionary Relationships	Unit 5: Mendelian and Molecular Genetics Unit 6: Evidence of Evolution Unit 8: Evolution: Populations
2	Lab 3: Water Potential	Unit 1: Fundamental Biology Skills and Knowledge Unit 2: Cell Structure and Function Unit 13: Organismal Regulation
	Lab 4: Diffusion and Osmosis	Unit 1: Fundamental Biology Skills and Knowledge Unit 2: Cell Structure and Function Unit 13: Organismal Regulation
	Lab 5: Photosynthesis in Leaf Disks	Unit 10: Ecology: Energy Flow and Nutrient Cycling Unit 12: Energy and Metabolism
	Lab 6: Cellular Respiration	Unit 10: Ecology: Energy Flow and Nutrient Cycling Unit 12: Energy and Metabolism
3	Lab 7: Environmental Effects on Mitosis	Unit 2: Cell Structure and Function Unit 3: The Cell Cycle
	Lab 8: Cancer and Loss of Cell Cycle Control	Unit 2: Cell Structure and Function Unit 3: The Cell Cycle Unit 13: Organismal Regulation Unit 14: Gene Regulation and Cell Communication
	Lab 9: <i>Sordaria</i> Genetics	Unit 4: Meiosis: Heredity and Variation Unit 5: Mendelian and Molecular Genetics
	Lab 10: Bacterial Transformation	Unit 14: Gene Regulation and Cell Communication Unit 15: The Immune Response
	Lab 11: Restriction Enzyme Analysis of DNA	Unit 14: Gene Regulation and Cell Communication
4	Lab 12: Rate of Transpiration	Unit 1: Fundamental Biology Skills and Knowledge Unit 13: Organismal Regulation
	Lab 13: Fruit Fly Behavior	Unit 7: Evolution: Natural Selection
	Lab 14: Peroxidase Enzyme Activity	Unit 11: Biochemistry Unit 12: Energy and Metabolism