

آزمون	کتاب مرجع	موضوعات	سرفصلها	تاریخ
آزمون 1	کتاب بیولوژی کمپبل	biochemistry	chapter 2, The chemical context of life	
		Cellular biology	chapter 6, Atour of the cell	
		Molecular biology and Genetics	chapter 13, Mieosis and sexual life cycle chapter 14, Mendel and the gene idea	
		Evolution	chapter 22, Descent with modification: A Darwinian view of life	
		Biosystematic and biodiversity	chapter 26, Phylogeny and the tree of life chapter 27, Bacteria and archaea	
		Plant biology	chapter 35, Plant structure, growth and development	
		Physiology	chapter 40, Basic principales of animal form and function chapter 41, Animal nutriotion	
		Ecology	chapter 52, An introduction to ecology and the biospher	
آزمون 2	کتاب بیولوژی کمپبل	biochemistry	chapter 3, Water and Life	
		Cellular biology	chapter 7, Membrane structure	
		Molecular biology and Genetics	chapter 15,The Chromosomal Basis of Inheritance chapter 16,The Molecular Basis of Inheritance	
		Evolution	chapter 23,The Evolution of Populations	
		Biosystematic and biodiversity	chapter 28,Protists chapter 29,Plant Diversity I: How Plants Colonized Land	
		Plant biology	chapter 36, Resource acquisition and transport in vascular plant	
		Physiology	chapter 42, Circulation and gas exchange chapter 43,The Immune System	
		Ecology	chapter 53, Population Ecology	
آزمون 3	کتاب بیولوژی کمپبل	biochemistry	chapter 4, Carbon and the Molecular Diversity of Life	
		Cellular biology	chapter 8,An Introduction to Metabolism	
		Molecular biology and Genetics	chapter 17,Gene Expression: From Gene to Protein chapter 18, Regulation of Gene Expression	
		Evolution	chapter 24, The Origin of Species	
		Biosystematic and biodiversity	chapter 30, Plant Diversity II: The Evolution of Seed Plants chapter 31, Fungi	
		Plant biology	chapter 37,Soil and Plant Nutrition	
		Physiology	chapter 44,Osmoregulation and Excretion chapter 45,Hormones and the Endocrine System	
		Ecology	chapter 54, Community Ecology	
آزمون 4	کتاب بیولوژی کمپبل	biochemistry	chapter 5, The Structure and Function of Large Biological Molecules	
		Cellular biology	chapter 9,Cellular Respiration and Fermentation chapter 10, Photosynthesis	
		Molecular biology and Genetics	chapter 19, Viruses	
		Evolution	non	
		Biosystematic and biodiversity	chapter 32, An Overview of Animal Diversity chapter 33, An Introduction to Invertebrates	
		Plant biology	chapter 38, Angiosperm Reproduction and Biotechnology	
		Physiology	chapter 46, Animal Reproduction chapter 47, Animal Development chapter 48, Neurons, Synapses, and Signaling	
		Ecology	chapter 55, Ecosystems and Restoration Ecology	
آزمون 5	کتاب بیولوژی کمپبل	biochemistry	non	
		Cellular biology	chapter 11,Cell Communication chapter 12, The Cell Cycle	
		Molecular biology and Genetics	chapter 20, DNA Tools and Biotechnology chapter 21, Genomes and Their Evolution	
		Evolution	chapter 25, The History of Life on Earth	
		Biosystematic and biodiversity	chapter 34, The Origin and Evolution of Vertebrates	
		Plant biology	chapter 39, Plant Responses to Internal and External Signals	
		Physiology	chapter 49, Nervous Systems chapter 50, Sensory and Motor Mechanisms chapter 51, Animal Behavior	
		Ecology	chapter 56, Conservation Biology and Global Change	