

# INSTRUCTOR GUIDE

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# Biological Science

FIFTH EDITION

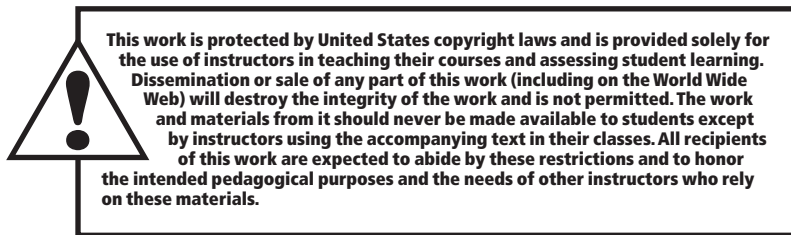
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Biological Sciences is an extensive study covering the minute workings of chemical substances inside living cells, to the broad scale concepts of ecosystems and global environmental changes. It is also concerned with the physical characteristics and behaviors of organisms living today and long ago, how they came into existence, and what relation they possess with each other and their environments. The Department of Biological Sciences is housed in two buildings, the Biology and Bioscience Research buildings. The Biology department office is housed in the Bioscience Research Building along with about 92,500 square feet of research, office and conference space. The Biology building is composed of about 48,000 square feet of teaching and research facilities. Biology, study of living things and their vital processes that deals with all the physicochemical aspects of life. Modern principles of other fields, such as chemistry, medicine, and physics, for example, are integrated with those of biology in areas such as biochemistry, biomedicine, and biophysics. Basic concepts of biology. Biological principles. Homeostasis. Unity. Biology is the natural science that studies life and living organisms, including their physical structure, chemical processes, molecular interactions, physiological mechanisms, development and evolution. Despite the complexity of the science, certain unifying concepts consolidate it into a single, coherent field. Biology recognizes the cell as the basic unit of life, genes as the basic unit of heredity, and evolution as the engine that propels the creation and extinction of species. Living organisms Biological Science. is the scientific study of life, it classifies and describes organisms, their functions, how species comes into existence and their interactions they have with each other and with the natural environment. Thursday, March 13, 2008. Biological Science. Biology (from Greek: βίος, bio, "life"; and λόγος, logos, "speech" lit. "to talk about life"), also referred to as the biological sciences, is the scientific study of life. Biology examines the structure, function, growth, origin, evolution, and distribution of living things.