

Biology Chapter 1 – Introduction to Life

Biology is the scientific study of life and living organisms. All living things share certain characteristics, such as the ability to grow, reproduce, respond to their environment, and maintain homeostasis. At the cellular level, life is organized into units called cells, which are considered the basic building blocks of organisms. Cells can be prokaryotic, lacking a nucleus, or eukaryotic, containing a nucleus and other specialized structures. Understanding these fundamental principles provides the foundation for exploring more complex biological systems in later chapters.