



Biomaterials
 These are materials that are used for a medical application, such as joint replacements, heart valves and artificial tendons. Probably one of the earliest biomaterials is silk, created by silkworms, which was used for centuries as a material for sutures. Modern compound biomaterials are designed to become part of the bone or soft tissue they are implanted in, so they are gradually replaced by the body's own materials as it heals.

Biology

Biology is the study of living organisms. Its areas include physiology which explores the complex physical, mechanical and biochemical systems that make up the bodies of living things. The human neuro-musculoskeletal system, for example, consists of the skeleton, cartilage, tendons, ligaments, muscles and other connective tissue along with the nervous system which links them to the brain. Together, these elements give us form and enable and allow us to move around.

Engineering

Human health and well-being are dependent on the performance of the musculoskeletal system. This system is a complex of bones, muscles, tendons, ligaments, cartilage and other connective tissue. The system is designed to support the body and enable it to move around. The system is a complex of many parts and is designed to work together to support the body and enable it to move around.

