

## Standard 9

9A	Students know how the complementary activity of major body systems provides cells with oxygen and nutrients and removes toxic waste products such as carbon dioxide.
9B	Students know how the nervous system mediates communication between different parts of the body and the body's interactions with the environment
9C	Students know how the feedback loops in the nervous and endocrine systems regular conditions in the body.
9D	Students know the functions of the nervous system and the role of neurons in transmitting electro chemical impulse
9E	Students know the roles of sensory neurons, interneurons, and motor neurons in sensation, thought and response
9F	Students know the individual functions and sites of secretion of digestion enzymes (amylases, proteases, nucleases, lipases), stomach acid and bile salts.
9G	Students know the homeostatic role of the kidneys in the removal of nitrogenous wastes and the role of the liver in blood detoxification and glucose balance
9H	Students know the cellular and molecular basis of muscle contraction, including the roles of actin, myosin, calcium, and ATP.