



SECTION 1: THE BODY- SYSTEMS AND TISSUES

LAB

INTRODUCTION

The body consists of various systems. The cells of each system are specialized, performing different functions. The systems interact with each other; for example, blood (circulatory system) carries food from the digestive system and oxygen from the respiratory system to every cell.

Cells: The basic building blocks of all living things. The human body contains about 6 trillion cells.

Tissues: The body is made of cells that specialize in different functions. Tissues are groups of specialized cells: nerve, muscle, fat, bone, blood, and epithelial (protective covering).

Organs: The heart is an organ made of 4 types of tissues: muscle, nerve, connective, and epithelial. Other organs of the body include stomach, brain, eye, skin, tongue, kidney, liver, lung, etc.

ASSESSMENT ANCHORS ADDRESSED

S4.B.1.1 Identify and describe similarities and differences between living things and their life processes.

PURPOSE

Students will label all of the parts of the body (organs, systems, etc) as well as study various human body microscope slides.

MATERIALS

For the class:

Human body prepared slides set	Slide worksheets
Microscopes*	Iodine
Blank microscope slides	Toothpicks
Onion*	

*Teacher provides items marked with **