



## 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 \**