**SECTION 1: THE BODY- SYSTEMS AND TISSUES**

## LAB

**Westminster College**

# 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

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| **For the class:** |  |
| Human body prepared slides set | Slide worksheets |
| Microscopes\* | Iodine |
| Blank microscope slides | Toothpicks |
| Onion\* |  |

*Teacher provides items marked with \**

## Westminster College SIM Page 1