

**References for Third Edition Lab Manual
Lab #1**

Station 1: ORAL CAVITY

*References: Lab Manual, Exercise 33, p. 182, and complete Fig. 33.1;
Workbook, complete #3 & #4, p. 241;
Hole text, pp. 648-650.*

Station 2: TEETH

*References: Lab Manual, pp. 182-183, and complete Fig. 33.2;
Workbook, p. 248, #11, & p. 249, #12;
Hole text, pp. 650-652.*

Station 3: TONGUE AND SALIVARY GLANDS

*References: Lab Manual, pp. 183-184, complete Fig. 33.3 & 33.4;
Workbook, complete p. 241, #4;
Hole text, pp. 652-654 and p. 649.*

Station 4: STOMACH

*References: Lab Manual, pp.184-185, complete Fig.33.5, p. 186;
Workbook, complete p. 244, #6 and p. 245,
Hole text, pp. 658-664.*

Station 5: SMALL INTESTINE, LIVER, AND PANCREAS

*References: Lab Manual, pp. 185;
Workbook, p. 248, #10 & p. 252, #16;
Hole text, p. 664-680.*

Station 6: LARGE INTESTINE

*References: Lab Manual, p. 185-186;
Workbook, p. 253, #19;
Hole text, p. 680-685.*

**References for Third Edition Lab Manual
Lab #2**

Introduction

References: Lab Manual, Exercise 34, p. 189-191.

Directions for the lab experiments are written into the lab.

Station 7: Bile and Emulsification of Lipids

References: Text, p. 671-672.

Station 8: Absorption

References: Text, p. 677-680.

Workbook, p. 247, #9.

**References for Third Edition Lab Manual
Lab #3**

Station 1: Upper Respiratory Anatomy

*References: Lab Manual, Exercise 31, p. 171-172. Complete Fig. 31.1, p. 172.
Text, p. 733-738.
Workbook, p. 224, #2, q. 1-10, p. 225, #4, p. 227, #7.*

Station 2: LOWER RESPIRATORY PASSAGES

*Refer to your Lab Manual, p. 172-173, and complete Fig. 31.2;
Workbook, p. 223, #1, p. 224, #2 (Q11-16 only), & p. 226, #5;
Hole text, pp. 738-742.*

Station 3: LUNG CAVITIES AND MEMBRANES

*Refer to your Lab Manual, p. 172-173;
Hole text, pp. 743-744;
Workbook, p. 229, #9, p. 230, #10 & #11, p. 231, #12, #13, & #14.*

Station 4: ALVEOLAR MEMBRANE AND GAS TRANSPORT

*Refer to your Hole text, p. 757-758.
Workbook, p. 229, #9, p. 233, #17, #18, & #19.*

Station 5: RESPIRATORY HISTOLOGY

Refer to the microviewer slides, "Smoking and Health" and your text, p. 735, to answer these questions:

**References for Third Edition Lab Manual
Lab #4**

References: *Lab Manual, Exercise 32, p. 175-177, and study “Spirogram of Lung Capacities,” p. 176.*
 Text, p. 749-751, and Fig. 19.3, p. 749.
 Workbook, complete p. 232, #15 and #16.

Station 2: Spirometry and FEV

References: *Read the Lab Manual Supplement on the lab table, and study Fig. 51.2, also on the lab table.*

Station 3: Respiratory Physiology

Regulation of Respiration

References: *Lab Manual, “Control of Breathing,” p. 175.*
 Lab Supplement on the lab table, “Regulation of Respiration”.
 Text, “Control of Breathing,” p. 753-756.
 Workbook, p. 234, #20.

Breathing Mechanisms: Pulmonary Ventilation

References: *Text, p. 745-749 and Chart 19.2, p. 747 and Chart 19.3, p. 749.*
 Workbook, complete p. 220, #10 and #11.

**References for Third Edition Lab Manual
Lab #5**

Station 1: Leukocytes

*References: Lab Manual, Exercise 27, p. 143-144.
Text, p. 518-521 and Chart 14.6, p. 523, Figs. 14.9-14.13, p. 519-520.
Workbook, complete p. 168, #2 and p. 170, #4.*

Erythrocytes

*References: Lab Manual, p. 142, and Table 27.1.
Text, p. 511-517 and Fig. 14.4, p. 517.
Workbook, complete p. 169, Fig. 10-1.*

Station 3: Volume of Packed Red Cells—Hematocrit

*References: Lab Manual, p. 147.
Text, p. 510-511 and Fig. 14.2, p. 511, Table 14.3, p. 516.*

Station 5: Clotting Time

*References: Lab Manual, p. 147-148.
Workbook, complete p. 172, #8 and #9.*

Station 6: Blood Typing

*References: Lab Manual, p. 148-149 and Table 27.2.
Text, p. 531-537.
Workbook, complete p. 173, #10, #11, and #12.*

**References for Third Edition Lab Manual
Lab #6**

Station 1: External Anatomy of the Heart

*References: Lab Manual, Exercise 28, p. 150, "Wall of the Heart", p. 152, "External Anatomy," and Fig. 28.2, p. 153.
Text, p. 542-546, Table 15.1, p. 545, Fig. 15.4, p. 544, Fig. 15.5, p. 545, and Fig. 15.12, p. 551.
Workbook, Complete p. 177, #1 and 179, #3.*

Station 2: Internal Anatomy of the Heart

*References: Lab Manual, Exercise 28, p. 150-152 and complete Fig. 28.1, p. 151.
Text, p. 546 and Fig. 15.6, p. 547 and 15.9, p. 548.
Workbook, p. 178, #2.*

Station 3: Preserved Sheep Heart Anatomy

References: Lab Manual, Exercise 28, p. 154-155 and Fig. 28.3 and 28.4.

Station 4: Cardiac Conduction System

*References: Text, p. 554-558.
Workbook, complete p. 181, #6.*

Station 5: ECG

*References: Text, p. 559-561.
Workbook, complete p. 182, #7 and #8.*

**References for Third Edition Lab Manual
Lab #7**

Station 1: Anatomy of Arteries and Veins, Peripheral Circulation

*References: Lab Manual, Exercise 29, p. 156-157.
Text, p. 562-567 and Fig. 15.25, p. 565 and Fig. 15.28, p. 566, and p.
580-581.
Workbook, p. 184, #13, #14, #15 and #16.*

Station 2: Major Arteries and Veins

*References: Lab Manual, p. 157-160, complete Fig. 29.2, p. 158 and Fig. 29.3, p.
159.
Text, p. 582-598.
Workbook, p. 188, #18, p. 189, #19, and p. 190, #20.*

Station 3: Hepatic Portal System

*References: Lab Manual, p. 160 and Fig. 29.4, p. 160.
Text, p. 593-595, Fig. 15.57, p. 594.
Workbook, p. 189, #19.*

Station 4: Fetal Circulation

*References: Lab Manual, p. 161, complete Fig. 29.5, p. 162.
Text, p. 898-900 and p. 965 and Table 23.4 and Fig. 23.25, p. 900.
Workbook, p. 192, #22, and p. 193 #23.*

Station 5: Heart Sounds

*References: Lab Manual, "Heart Sounds", p. 166.
Text, p. 554.*

Station 6: Pulse and Blood Pressure

References: Lab Manual, p. 167-168.

**References for Third Edition Lab Manual
Lab #8**

Station 1: Lymphatic Structures

*References: Lab Manual, p. 161-165 and complete Fig. 29.6, p. 163.
Text, p. 608-611.
Workbook, p. 201, #1, p. 202, #2 and #3, p. 203, #4 and #5, and p. 204,
#6.*

Station 2: Lymph Nodes

*References: Lab Manual, p. 161-165,
Text, p. 612-614,
Workbook, p. 204-205, #6*

Station 2: Lymph Nodes

*References: Lab Manual, p. 161-165,
Text, p. 612-614,
Workbook, p. 204-205, #6*

Station 4: Types of Immunity

*References: Text, p. 616-619.
Workbook, p. 214, #26.*

Station 5: Specific and Non-Specific Body Defenses

*References: Text, p. 616-619 and Chart 16.3, p. 619.
Workbook, p. 206, #7, #8, and #9, p. 207, #10, #11, #12 and #13, and p.
208, #14 and #15.*

**References for Third Edition Lab Manual
Lab #9**

Station 1: Organs of the Urinary System

*References: Lab Manual, Exercise 35, p. 192 and complete Fig. 35.1, p. 193.
Text, p. 772-773 and 795-798 and Fig 20.1, p. 773.
Workbook, p. 263, #1, p. 264, #2, p. 271, #16, and p. 272, #17.*

Station 2: Kidney Anatomy

*References: Lab Manual, p. 193 and complete Fig. 35.2, p. 194.
Text, p. 772-773 and Fig. 20.4, p. 775.
Workbook, p. 265, #3 and p. 266, #4.*

Station 3: The Nephron

*References: Lab Manual, p. 193 and complete Fig. 35.3, p. 195.
Text, p. 776-782 and Fig. 20.10, p. 779.
Workbook, p. 266, #5.*

Station 4: Urine Formation

*References: Lab Manual, p. 193-195.
Text, p. 782-790.
Workbook, p. 269, #7 and #8.*

Station 5: Urinalysis

*References: Lab Manual, Exercise 36, p. 196-199. Study Table 36.1 and 36.2, p. 196.
Text, p. 794-795.
Workbook, p. 270, #9, #10, #11, and #12, and p. 271, #13 and #14.*

**References for Third Edition Lab Manual
Lab #10**

Station 1: Male Reproductive Anatomy

*References: Lab Manual, Exercise 38, p. 211-213, complete Fig. 38.1, p. 212.
Text, p. 830-842 and Fig. 22.1, p. 831, Table 22.1, p. 844.
Workbook, p. 277, #1 and #2, p. 278, #3 and #4, p. 280, #5.*

Station 2: Female Reproductive Anatomy

*References: Lab Manual, p. 213-215 and complete Fig. 38.3, p. 214, Fig. 38.4, p. 215, and Fig. 38.5, p. 216.
Text, p. 846-856, Fig. 22.18, p. 847, Fig. 22.26, p. 853, and Table 22.9, p. 855.
Workbook, p. 283, #10, p. 284, #11 and p. 285, #12.*

Station 3: Histology of Sperm Cells

*References: Text, p. 837-838 and Fig. 22.9, p. 837.
Workbook, p. 282, #7.*

Station 4: Ovary and Menstrual Cycle

*References: Lab Manual, p. 206.
Text, p. 858-860, and Table 22.4, p. 859.
Workbook, p. 285, #13, p. 286, #14, p. 287, #16, p. 288, #18, and #19.*

**References for Third Edition Lab Manual
Lab #11**

Station 1: Meiosis—Spermatogenesis

*References: Lab Manual, p. 213 and Fig. 38.2.
Text, p. 833-838.
Workbook, p. 280-281, #6, p. 282, #8.*

Station 2: Meiosis—Oogenesis

*References: Lab Manual, p. 215-217.
Text, p. 848-852.
Workbook, p. 285, #13, p. 286-287, #14 and p. 290, #21.*

Station 3: Human Growth and Development: Cleavage

*References: Text, p. 880-883.
Workbook, p. 291, #22.*

Station 4: Human Growth and Development: Embryonic Development

*References: Text, p. 886-892.
Workbook, p. 292, #23 and #25.*

Station 5: Human Growth and Development: Fetal Development

References: Text, p. 892-897.

**References for Third Edition Lab Manual
Lab #12**

Station 1: Circulatory System

References: Lab Manual, Exercise 29 and Exercise 30.

Station 1: Circulatory System

References: Lab Manual, Exercise 29 and Exercise 30.

Station 3: The Urinary System

References: In your lab manual, read Exercise 35 and 36.

Station 4: The Reproductive System

References: Read Chapter 38 in your lab manual and p. 830-860, and 876-896 in your text book.