

Launch Lab: Visualizing The Human Body Answer Key

Answers to Analysis Questions

1. You should compare your diagrams with other students and then to illustrations in your textbook.
2. The X-ray reveals the stomach, the small intestine, and the large intestine. The following is a summary of the functions of these organs:
 - The stomach has a thick, muscular wall that helps to grind up food (mechanical digestion). It also releases the gastric juice that begins the chemical digestion of protein.
 - The small intestine is the site of most chemical digestion. The wall of the small intestine has folds that bear finger-like projections called **villi**. The products of digestion are absorbed into the blood capillaries and lymph vessels in the villi.
 - The large intestine does not produce digestive enzymes; it does absorb water, salts, and some vitamins.