

# Chapter Checklist

Have you mastered the concepts, applications, and skills associated with the following items? Check them off when you are confident in your understanding.

### Key Terms

8.1	nutrient	
	carbohydrate	
	polymer	
	monosaccharide	
	isomer	
	disaccharide	
	dehydration synthesis	
	hydrolysis	
	polysaccharide	
	starch	
	glycogen	
	cellulose	
	triglyceride	
	fat	
	oil	
	phospholipid	
	wax	
	protein	
	amino acid	
	peptide bond	
polypeptide		
essential amino acid		
denaturation		
coagulation		
8.2	catalyst	
	enzyme	
	substrate	
	active site	
	cofactor	
	coenzyme	
	competitive inhibitor	
	feedback inhibition	
	precursor activity	
	allosteric activity	
8.3	amylase	
	peristalsis	
	sphincter	
	mucus	
	pepsin	
ulcer		

8.4	duodenum	
	villi	
	microvilli	
	capillary	
	lacteal	
	secretin	
	enterokinase	
	trypsin	
	erepsin	
	lipase	
	bile salt	
	cholecystokinin	
	detoxify	
	gallstone	
	jaundice	
	cirrhosis	
	colon	
gastrin		
enterogastrone		

### Key STS

discussing and evaluating the role of irradiation technology to solve the problems of food spoilage ( <i>EI: Irradiation Technology</i> )	
explaining the biological basis of nutritional deficiencies and the technological means available to restore equilibrium of body systems ( <i>EI: Fad Diets</i> )	
identifying specific pathologies of the digestive system and the technology used to treat the conditions ( <i>Section 8.3, Peptic Ulcers; Section 8.3 Questions, q 16; Section 8.4 Questions, q 10</i> )	
careers ( <i>CC: Registered Dietician; X-ray Technician; Health Service Administrator</i> )	

## LSM 8.CS (cont'd)

### Key Skills

observing, through dissection, the digestive system of a fetal pig and identifying the major structural components ( <i>Inv. 10.1</i> )	
performing experiments, using qualitative tests, to detect the presence of carbohydrates, proteins, and lipids ( <i>Inv. 8.1 and 8.2</i> )	
designing and performing an experiment to investigate the influence of temperature and pH on the activity of the amylase enzyme ( <i>Inv. 8.4</i> )	
performing, recording, analyzing, drawing conclusions, and assessing validity of data from the investigation of catalase enzyme action ( <i>Inv. 8.3</i> )	
working co-operatively to collect and communicate results using appropriate terminology, SI units, and symbols ( <i>all</i> )	