

# Digestive System

The digestive system breaks food down to tiny molecules that can be absorbed into the bloodstream and distributed to cells.

**1. salivary glands:** glands in the cheeks and under the tongue which produce saliva to moisten food as it is chewed. Salivary glands also secrete enzymes which break down starches in the mouth.

**2. esophagus:** muscular tube which creates peristaltic waves to carry swallowed food from the throat to the stomach.

**3. stomach:** muscular organ which churns food and secretes enzymes and acids for food digestion.

**4. small intestine:** hollow tract where chemical digestion continues and nutrients are absorbed into the bloodstream.

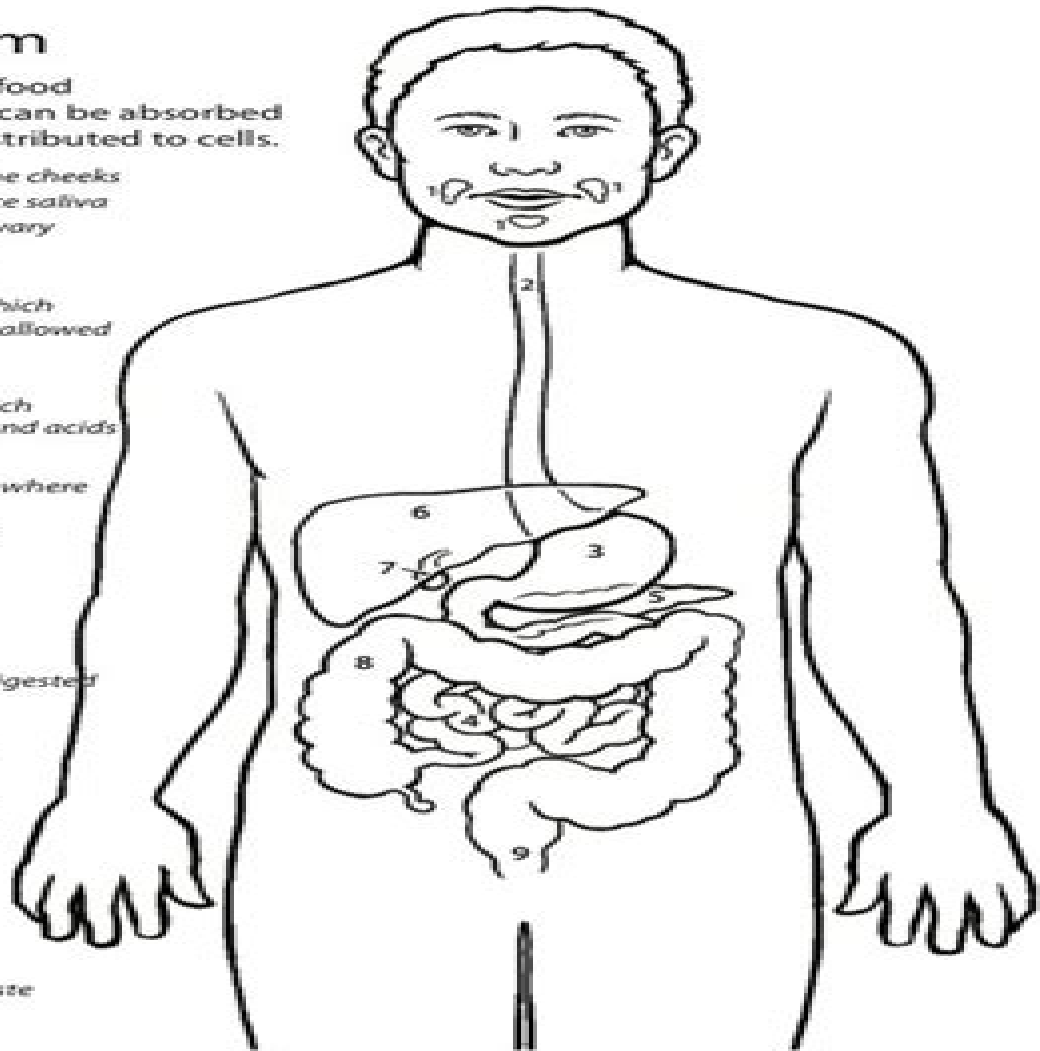
**5. pancreas:** organ which secretes enzymes for starch and protein digestion into the small intestine.

**6. liver:** organ which processes digested food into useful substances for the body, secretes bile for fat digestion, and removes toxins from the blood

**7. gall bladder:** storage sac for bile located on the lower surface of the liver.

**8. colon:** main part of the large intestine which absorbs water from indigestible food.

**9. rectum:** final section of the large intestine which eliminates waste material from the body.



# Middle School Science Digestive System

**Robert J, Marzano, David C. Yanoski**



## **Middle School Science Digestive System:**

**CK-12 Life Science for Middle School** CK-12 Foundation, 2011-10-14 CK 12 Foundation's Life Science for Middle School FlexBook covers the following chapters Studying Life Nature of science scientific method tools used in science and safety in research Introduction to Living Organisms what they are what they are made of and classification Introduces carbs lipids proteins and nucleic acids Cells and Their Structures what they are what they are made of organelles and eukaryotic vs prokaryotic Cell Functions active transport passive transport photosynthesis and cellular respiration Cell Division Reproduction and DNA mitosis meiosis DNA RNA and protein synthesis Genetics Mendel's peas to gene therapy Evolution Darwin's natural selection history of life and evidence of evolution Prokaryotes properties and characteristics Protists and Fungi properties characteristics reproduction and metabolism Plants nonvascular vascular gymnosperms angiosperms and hormones tropisms Introduction to Invertebrates sponges cnidarians and worms Other Invertebrates mollusks echinoderms arthropods and insects Fishes Amphibians and Reptiles fishes amphibians and reptiles Birds and Mammals characteristics properties diversity and significance Behavior of Animals communication cooperation mating and cycles Skin Bones and Muscles skeletal muscular and integumentary systems Food and the Digestive System nutrition and digestion Cardiovascular System heart blood vessels and cardiovascular health Respiratory and Excretory Systems breathing and elimination of waste Controlling the Body Nervous System Diseases and the Body's Defenses Diseases and the immune response Reproductive System and Life Stages Reproduction fertilization development and health From Populations to the Biosphere Ecology Communities ecosystems biotic vs abiotic factors and biomes Ecosystem Dynamics Flow of energy recycling of matter and ecosystem change Environmental Problems Pollution renewable vs nonrenewable resources habitat destruction extinction and biodiversity Glossary

*Middle School Life Science* Judy Capra, 1999-08-23 Middle School Life Science Teacher's Guide is easy to use The new design features tabbed loose sheets which come in a stand up box that fits neatly on a bookshelf It is divided into units and chapters so that you may use only what you need Instead of always transporting a large book or binder or box you may take only the pages you need and place them in a separate binder or folder Teachers can also share materials While one is teaching a particular chapter another may use the same resource material to teach a different chapter It's simple it's convenient

**Resources for Teaching Middle School Science** Smithsonian Institution, National Academy of Engineering, National Science Resources Center of the National Academy of Sciences, Institute of Medicine, 1998-04-30 With age appropriate inquiry centered curriculum materials and sound teaching practices middle school science can capture the interest and energy of adolescent students and expand their understanding of the world around them Resources for Teaching Middle School Science developed by the National Science Resources Center NSRC is a valuable tool for identifying and selecting effective science curriculum materials that will engage students in grades 6 through 8 The volume describes more than 400 curriculum titles that are aligned with the National Science

Education Standards This completely new guide follows on the success of Resources for Teaching Elementary School Science the first in the NSRC series of annotated guides to hands on inquiry centered curriculum materials and other resources for science teachers The curriculum materials in the new guide are grouped in five chapters by scientific area Physical Science Life Science Environmental Science Earth and Space Science and Multidisciplinary and Applied Science They are also grouped by type core materials supplementary units and science activity books Each annotation of curriculum material includes a recommended grade level a description of the activities involved and of what students can be expected to learn a list of accompanying materials a reading level and ordering information The curriculum materials included in this book were selected by panels of teachers and scientists using evaluation criteria developed for the guide The criteria reflect and incorporate goals and principles of the National Science Education Standards The annotations designate the specific content standards on which these curriculum pieces focus In addition to the curriculum chapters the guide contains six chapters of diverse resources that are directly relevant to middle school science Among these is a chapter on educational software and multimedia programs chapters on books about science and teaching directories and guides to science trade books and periodicals for teachers and students Another section features institutional resources One chapter lists about 600 science centers museums and zoos where teachers can take middle school students for interactive science experiences Another chapter describes nearly 140 professional associations and U S government agencies that offer resources and assistance Authoritative extensive and thoroughly indexed and the only guide of its kind Resources for Teaching Middle School Science will be the most used book on the shelf for science teachers school administrators teacher trainers science curriculum specialists advocates of hands on science teaching and concerned parents

**CliffsNotes Praxis II: Middle School Science (0439)** Glen Moulton, 2013-05-21 Your complete guide to a higher score on Praxis II Middle School Science The Praxis II Middle School Science 0439 exam is designed to measure the knowledge and competencies necessary for a beginning teacher of middle school science The 2 hour Praxis II Middle School Science 0439 exam consists of three constructed response essays and 90 multiple choice questions divided into the following content categories scientific methodology basic principles of science physical sciences life sciences earth space sciences and science technology society In CliffsNotese Praxis II Middle School Science two practice tests with complete answers and explanations help you pinpoint areas for further study while reviews and exercises address all of the test topics you ll encounter on exam day Plus proven test taking strategies help you score higher Two full length practice tests Subject reviews of every topic covered on the test Practice questions for every subject review If you re an aspiring teacher looking to take the Praxis II Middle School Science exam CliffsNotes is your ticket to scoring high at exam time

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*Current Index to Journals in Education* ,1996      *The World of Science Education* ,2009-01-01 Each volume in the 7 volume series The World of Science Education reviews research in a key region of the world These regions include North America South and Latin America Asia Australia and New Zealand Europe and Israel Arab States and Sub Saharan Africa The focus of this Handbook is on science education in Arab states and the scholarship that most closely supports this program The reviews of the research situate what has been accomplished within a given field in an Arab rather than an international context The purpose therefore is to articulate and exhibit regional networks and trends that produced specific forms of science education The thrust lies in identifying the roots of research programs and sketching trajectories focusing the changing face of problems and solutions within regional contexts The approach allows readers to review what has been done and accomplished what is missing and what might be done next      *Proficiency Scales for the New Science Standards* Robert J, Marzano,David C.

Yanoski,2015-08-17 Transform an in depth understanding of the new science standards into successful classroom practice You ll learn how to align instruction and assessment with the science standards and create proficiency scales that can be used to plan all types of lessons Discover hundreds of ready to use proficiency scales derived from the Next Generation Science Standards that are applicable to specific areas of science instruction     **Teaching Health Science** Stephen J. Bender,1997 Since the last edition of Teaching Elementary Health Science much has changed in health education This edition contains the most recent information regarding education and health and the National Health Education Standards Part 1 of this text covers health science foundations including the relationship between education and health the meaning of comprehensive school health curricular approaches learning strategies and instructional accountability Part 2 covers content strategies and skills This text is a beneficial tool for elementary and middle school teachers and students of elementary middle school health education     **STEM Navigators: Pathways to Achievement in Science Technology Engineering & Mathematics** Anderson D. Prewitt,Arielle Drummond,Charmane V. Caldwell,Jasmine D. Crenshaw,Lauren D. Thomas,Sandra Roach,2015-02-10 So many people discuss the importance of educating our nation and our students getting degrees in Science Technology Engineering Mathematics STEM but it is often difficult to successfully guide students through the educational landscape This results in low retention rates poor academic outcomes and an increase in the difficulty of recruiting students into technology related careers What s needed are real world examples of trailblazers who carved out their own path to success in STEM and are willing to guide others in successfully reaching their educational destinations What s needed are STEM Navigators STEM Navigators is a compilation of real life STEM success stories from people who have not only been wildly successful in pursuing and obtaining their own Science Technology Engineering and Mathematics degrees but they have all worked to teach mentor and research ways to guide others effectively through obtaining a STEM education     **Middle School Science & Technology** ,1994

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where  $\eta_{\text{turbine}}$  represents the turbine efficiency expressed as a percentage  $W_{\text{turbine}}$  denotes the