

Phylum Arthropoda
(Key study organism: Crayfish)

4 Classes:

1. Insecta



2. Crustaceans



3. Arachnida



4. Myriapoda



Generalized Features:

- segmented
- jointed joint appendages
- well-developed sensory and nervous systems
- Exoskeleton (chitin; polysaccharide) → waterproof, must molt periodically (ecdysis)

Crayfish

- head + mid body (thorax) = strong Cephalothorax



Nervous System

- Brain (Cerebral ganglion) connected to ventral nerve cord w/ ganglia and nerves that control muscle function

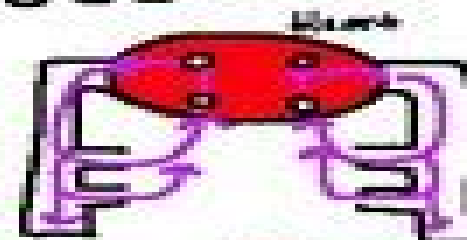


Circulation and Respiration

- open circulatory system w/ dorsal heart
- Marine arthropods: gill rakers



Gills



Digestive System

- Mandibles (jaw), esophagus, cardiac stomach, pyloric stomach, digestive glands, intestine and anus.

- Salivary gland secretes digestive enzymes

Salivary gland

Cardiac stomach

Digestive gland



Arthropoda Study Guide

D Kirk



Arthropoda Study Guide:

Barron's Science 360: A Complete Study Guide to Biology with Online Practice Barron's Educational Series, Gabrielle I. Edwards, Cynthia Pfirrmann, 2021-09-07 Barron's Science 360 provides a complete guide to the fundamentals of biology Whether you're a student or just looking to expand your brain power this book is your go to resource for everything biology Back cover 2025-26 TGT/PGT Biology Study Material YCT Expert Team , 2025 26 TGT PGT Biology Study Material 448 895 E This book contains the important study material for revision before examination **Self Study Guide for PVT 2022** Arihant Experts, 2021-09-02 1 All India Pre Veterinary Test Entrance Examination is prepared for the entrance of the VET 2 The Guide is divided into 4 main sections 3 Complete Study Material as per prescribed syllabus Pattern by AIPVT 4 Previous Years Solved Papers for practice 5 Division of chapters strictly based on the latest syllabus 6 Step by step guidance is provided for better understanding of the concepts To succeed in the AIPVT Examination grab your copies of Self Study Guide PVT All India Pre Veterinary Test a revised edition that has been prepared exactly on the lines of pattern Level and syllabi of the exam Its approach has been kept simple and lucid presented in a Step by Step manner for complete grasp of the content This guide divides the whole syllabus into 4 major categories and every chapter is provided with ample exercises for practice Lastly Previous Years Papers are incorporated to make students familiar with exact examination pattern and trends Enough practice done through this book students will score high with good ranking TOC AIPVT Solved Paper 2021 2018 Physics Chemistry Botany Appendix **MEGA Study Guide for NTSE (SAT, MAT & LCT) Class 10 Stage 1 & 2 - 11th Edition** Disha Experts, 2019-03-12 This new 11th edition of MEGA Study Guide for NTSE Class 10 is empowered with the inclusion of 2018 Stage I questions of the different states The book is based on the syllabus of Class 8 9 10 as prescribed by NCERT The book also comprises of Past questions of NTSE Stage 1 2 from the years 2012 2018 There are now 28 chapters in the Mental Ability Section MAT The Scholastic Aptitude section SAT has been divided into 9 parts Physics Chemistry Biology Mathematics English History Geography Civics and Economics The book provides past questions of last 10 years of NTSE Stage 1 2 JSTSE papers divided chapter wise The book provides sufficient pointwise theory solved examples followed by Fully Solved exercises in 2 levels State UT level National level Maps Diagrams and Tables to stimulate the thinking ability of the student The book covers new variety of questions Passage Based Assertion Reason Matching Definition based Statement based Feature Based Diagram Based and Integer Answer Questions Self Study Guide B. Pharma Entrance Exam 2021 Arihant Experts, 2020-11-09 1 B Pharma Entrance Examination 2021 is a one point solution for the entrance exam 2 The book is divided into 4 sections 3 Previous Years Solved papers are given for the practice 4 Precise and detailed text with illustrations eases in learning the concepts 5 This book uses the easy language for better understanding Bachelor of Pharmacy B Pharma is a 4 years undergraduate program in which students study the methods and process of preparing medicines To get into the proper college or institution one needs to clear the entrance

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