Name	

# Anatomy of a Bone -- Coloring

#### EPIPHYSIS (end) (a), EPIPHYSIAL LINE (a) - purple

The epiphysis is the end of a long bone. Externally it has a thin layer of compact bone, while internally the bone is cancellous. The Epiphysis is capped with articular cartilage.

#### DIAPHYSIS (shaft) (b)

The diaphysis is the shaft of the long bone. It has compact bone with a central cavity.

#### ARTICULAR CARTILAGE (c) - green

The articular cartilage is found on the ends of long bones. It is smooth, slippery, and bloodless.

#### PERIOSTEUM (d) - dark blue

Periosteum is a fibrous, vascular, sensitive life support covering for bone. It provides nutrient-rich blood for bone cells and is a source of bone-developing cells during growth or after a fracture.

### CANCELLOUS (spongy) BONE (e) and MARROW (e) - light blue

The cancellous bone appears as tiny beams of bone arranged like a lattice. Red marrow packs the spaces between beams.

#### COMPACT BONE (f) - pink

The compact bone is a dense bone found in the diaphysis. Its repeated pattern is arranged in concentric layers of solid bone tissue.

## MEDULLARY CAVITY (g), YELLOW MARROW (g) - yellow

The medullar cavity of the diaphysis serves to lighten bone weight and provide space for its marrow.

## NUTRIENT ARTERY (h) - red

Each long bone contains a tunnel in its shaft for the passage of a nutrient artery, which supplies the shaft.



- 1. Where do you find yellow marrow? \_\_\_\_\_
- 2. What type of bone is arranged in concentric layers? \_\_\_\_\_
- 3. Where do you find red marrow? \_\_\_\_\_
- 4. What is the end of the bone called? \_\_\_\_\_
- Spongy bone is also called \_\_\_\_\_\_ bone.

# **Anatomy Bone Packet Answers**

**Carole Hollins** 

## **Anatomy Bone Packet Answers:**

Human Biology Activities Kit John R. Roland, 1993-08-05 This collection of over 200 classroom tested activities and reproducible worksheets for students in grades 7 through 12 covers vital concepts in human biology and health including extensive coverage of AIDS These high interest lessons and worksheets get students actively involved in learning even students who are poorly motivated learning disabled or who lack English proficiency. The lessons are written so you can easily accommodate your students various learning styles whether it s visual auditory and tactile Each lesson helps students make connections between new material and concepts they re already familiar with The book features 11 units covering all the body's systems such as circulatory digestive and immune systems and offers a detailed look at cells bones muscles and more Each unit provides enjoyable hands on activities that engage secondary students from building a cell model and testing foods for carbohydrates to dissecting a frog and making an action cartoon of a macrophage battling a microorganism For convenience the lessons are printed in a big spiral bound format that folds flat for photocopying **Teaching Anatomy** Lap Ki Chan, Wojciech Pawlina, 2015-01-29 Teaching Anatomy A Practical Guide is the first book designed to provide highly practical advice to both novice and experienced gross anatomy teachers The volume provides a theoretical foundation of adult learning and basic anatomy education and includes chapters focusing on specific issues that teachers commonly encounter in the diverse and challenging scenarios in which they teach The book is designed to allow teachers to adopt a student centered approach and to be able to give their students an effective and efficient overall learning experience Teachers of gross anatomy and other basic sciences in undergraduate healthcare programs will find in this unique volume invaluable information presented in a problem oriented succinct and user friendly format Developed by renowned expert authors the chapters are written concisely and in simple language and a wealth of text boxes are provided to bring out key points to stimulate reflection on the reader s own situation and to provide additional practical tips Educational theories are selectively included to explain the theoretical foundation underlying practical suggestions so that teachers can appropriately modify the strategies described in the book to fit their own educational environments Comprehensive and a significant contribution to the literature Teaching Anatomy A Practical Guide is an indispensable resource for all instructors in gross Final FRCR 2B Long Cases Jessie Aw, John Curtis, 2010-06-03 Part 2B of the FRCR examination for trainee anatomy radiologists involves six long cases which can contain images of any body system and any imaging modality plain film CT MRI ultrasound nuclear medicine and contrast studies FRCR 2B A Guide to the Long Cases contains 60 highly illustrated long cases and answers organised into 10 sets of 6 cases The cases are based on the format of the exam and the answers are at the level of detail the candidate would be expected to provide in the time allocated An introductory section explains the College's marking scheme and advises on the best approach to the long cases and how to structure an answer A succinct topic review is provided with each case Jointly edited by a successful FRCR fellow and an experienced consultant radiologist

FRCR 2B A Guide to the Long Cases is essential reading for all exam candidates **Ouestions and Answers for Diploma** in Dental Nursing, Level 3 Carole Hollins, 2015-09-28 Questions and Answers for Diploma in Dental Nursing Level 3 is a comprehensive revision guide for dental nurses preparing for the written examination of the City Guilds Level 3 Diploma in Dental Nursing formerly NVQ Practice questions test your knowledge of Units 312 315 covering the principles of infection control in the dental environment assessment of oral health and treatment planning dental radiography and the scientific principles in the management of oral health diseases and dental procedures. This guide is the must have companion to the course text Diploma in Dental Nursing Level 3 3rd Edition as you work towards qualification as a successful and accomplished dental nurse Key features Revision guide tailored for students taking the City Guilds Level 3 Diploma in Dental Nursing Presents multiple choice questions in the format of the exam and answers with brief explanations so if you go wrong you know how to improve Written by Carole Hollins an experienced examiner and well known author of dental nursing books Instructor's Manual and Study Guide Answers for the Human Body in Health and Disease Barbara Janson Skeletal Tissue Mechanics R. Bruce Martin, David B. Burr, Neil A. Sharkey, David P. Cohen, Memmler, 1996 Fyhrie, 2015-10-29 This textbook describes the biomechanics of bone cartilage tendons and ligaments It is rigorous in its approach to the mechanical properties of the skeleton yet it does not neglect the biological properties of skeletal tissue or require mathematics beyond calculus Time is taken to introduce basic mechanical and biological concepts and the approaches used for some of the engineering analyses are purposefully limited. The book is an effective bridge between engineering veterinary biological and medical disciplines and will be welcomed by students and researchers in biomechanics orthopedics physical anthropology zoology and veterinary science This book also Maximizes reader insights into the

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