



Terms

Ankylosis

Arthralgia

Arthrocentesis

Arthrography

Arthroplasty

Arthroscopy

Brachial

Chondrectomy

Chondromalacia

Hematopoiesis

Intercostal

Osteoarthritis

Osteoblast

Osteoclast

Osteoma

Osteomalacia

Osteomyelitis

Osteoporosis

Spondylosis

Ambidextrous

Abbreviations:

amb CXR

Fx

Tx

** define all terms and abbreviations in your notebook

Name of bone marking

Description

Illustration

Projections that are sites of muscle and ligament attachment

Tuberosity Large, rounded projection;

may be roughened

Crest Narrow ridge of bone;

usually prominent

Trochanter (tro-kan'ter) Very large, blunt,

irregularly shaped process (the only

examples are on the

femur)

Line Narrow ridge of bone;

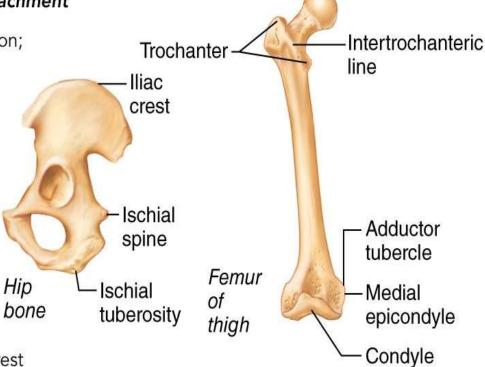
less prominent than a crest

Tubercle (too'ber-kl) Small, rounded projection or process

Epicondyle Raised area on or above a condyle

Spine Sharp, slender, often pointed projection

Process Any bony prominence



Vertebra

Facet

Spinous

process



Functions of Skeletal System

** write each function on one bone. Cut them out and glue them into your notebook. Mark the bold words.

- Supports and gives the shape to the body
- Protects internal organs
- Makes movement possible
- Storage Calcium is stored in bones and used for nerve and bone function
- Produces blood cells



Osteoblast
Osteoclast
Osteoma
Osteomalacia
Osteomyelitis
Osteoporosis

* Naming the bones sheet – put the top third only in your notebook and answer

Bones

- Skeleton is made of organs called bones
- Adult has 206 bones, infant has more with 270
- Related Word Roots
 - oss/e, oss/i
 - oste/o, ost/o
- Longest bone: femur
- Smallest Bones are in the:ear

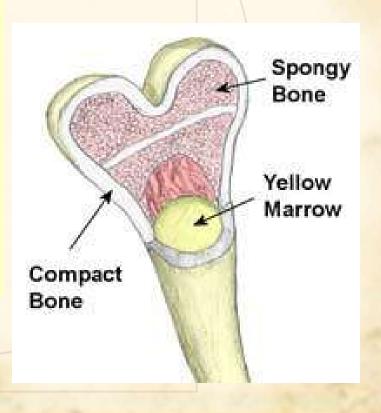


*Bone Anatomy pagewhole page, like a foldable Write definitions inside

flaps

Anatomy of Bone

- Periosteum (peri-, oste, um) – outer most covering
- Compact Bone strong, hard outer layer
- Spongy Bone Lighter; contains red bone marrow
- Marrow see next slide



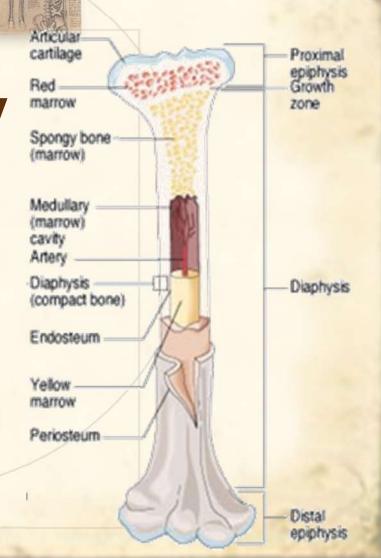


Bone Marrow

- Primary Functions
- hematopoietic -

Red bone marrow manufactures some blood cells.

- Yellow bone marrow stores fat.
- Related Combining Form
 - myel/o (also means spinal cord but, pay attention to your context)



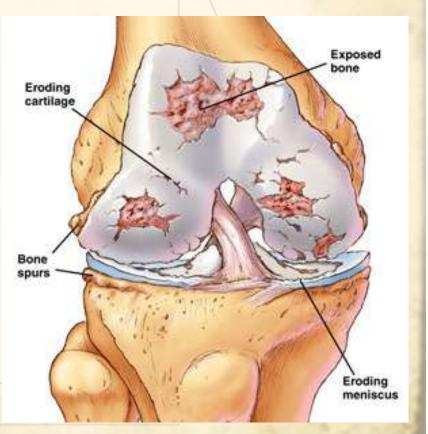


*write under last foldable (last slide)

Cartilage

- **Related Combining Form**
 - chondr/o
- **Primary Functions**
 - Creates a smooth surface for motion within the joints.
 - **Protects** the ends of the bones.
 - *Articular cartilage is located on the surfaces of bones that form joints

Chondrectomy Chondromalacia





Joints (articulations)

Types of joints page — this slide goes on the inside of the first flap

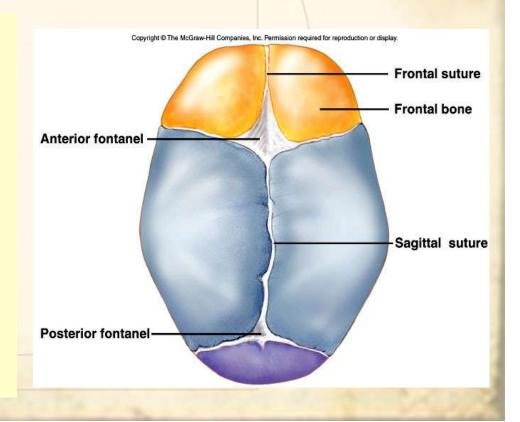
Arthralgia
Arthrocentesis
Arthritis
Arthrography
Arthroplasty
Osteoarthritis

- Related Combining Form
 - arthr/o
- Primary Function
 - Work with the muscles to make a variety of motions possible.
- Types of Joints
 - Sutures
 - Symphysis
 - Synovial



Sutures

- A suture is a joint where bones join together and form a joint that does not move.
- A fontanel is where the sutures between the frontal and parietal bones have not yet closed

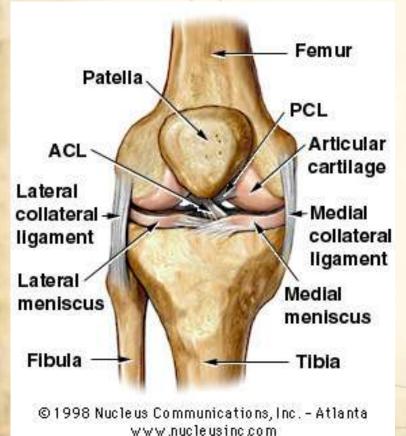




Types of joints page

– this slide goes on
the inside of the 2nd
and 3rd flap

Structures of Synovial Joints



Ligaments

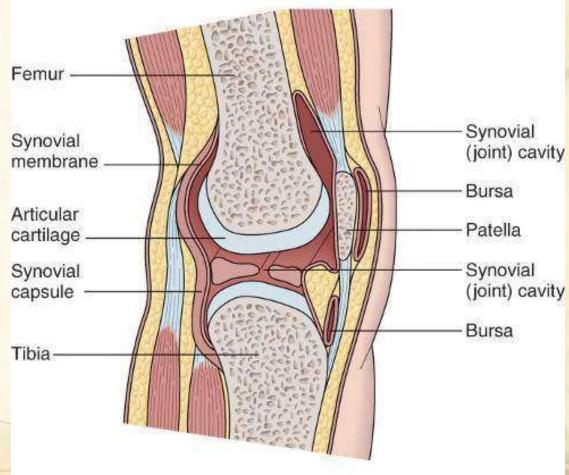
- Connect one bone to another.
- Synovial Membrane
 - Forms the lining of synovial joints.
 - Secretes synovial fluid
- Synovial Fluid
 - Lubricant that makes smooth joint movements possible.

Bursa

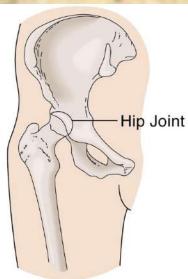
 Cushions areas of joints that are subject to friction during movement.



Structures of Synovial Joints



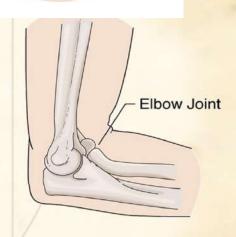




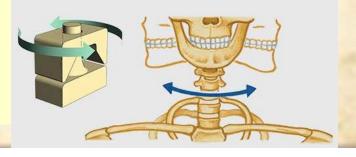
3 joints
page –
write
definition
and
examples
under
each
picture

Synovial Joints

- The movable joints in the body
- Ball and socket joints allow a wide range of movement in many directions
- Hinge joints allow movement primarily in one direction or plane
- Pivot Joints allow movement on an axis



Pivot Joint





 Trim the skeleton page and glue into notebook on it's own page. We will color, label, and add notes to this page