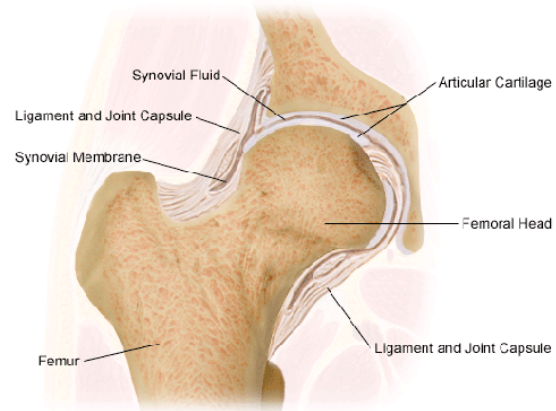


Ch 13 sec 2

Hip Joint



place where two bones come together

allows movement

joint

immovable joints too

Ch 13 sec 2

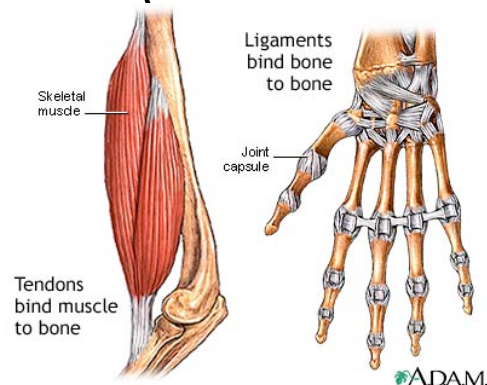
holds movable joints

flexible

connects two bones

ligament

similar to large, strong rubber band



Ch 13 sec 2

connective tissue

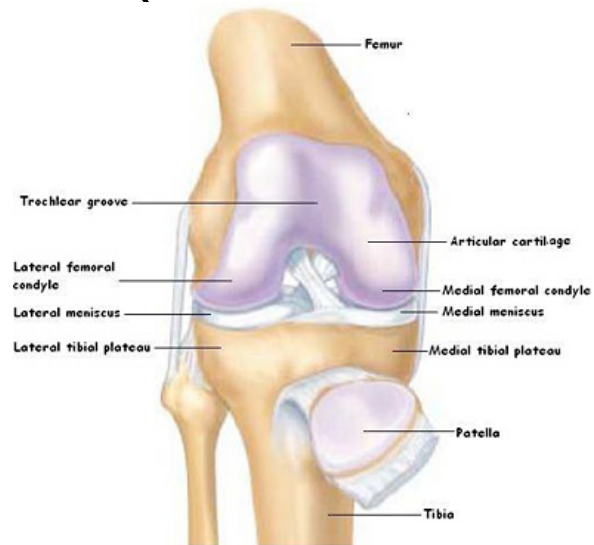
more flexible
than bone

reduces friction

cartilage

covers end of bones

cushions femur



Ch 13 sec 2

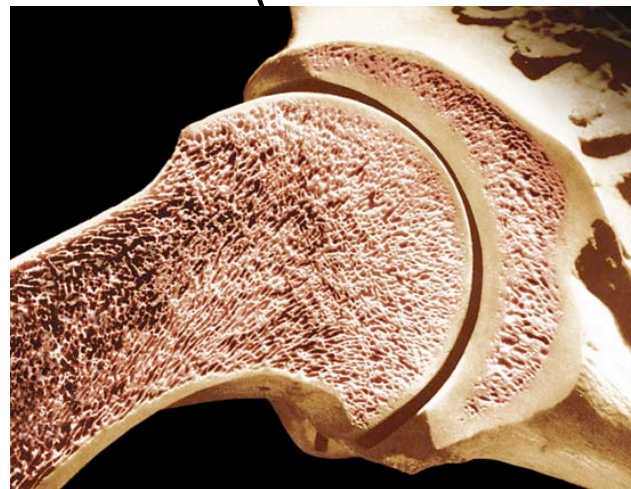
beneath outer membrane
of bone

hard and
dense

not solid

canals carry blood
vessels

compact
bone



Ch 13 sec 2

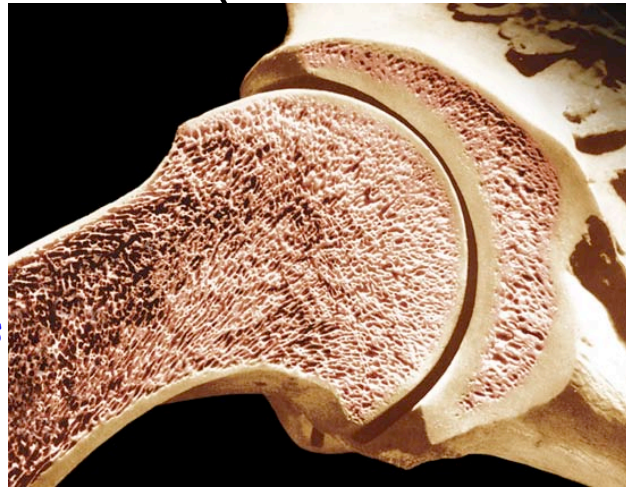
inside compact bone

has many spaces

lightweight
but strong

also found at ends of bones

spongy
bone



Ch 13 sec 2

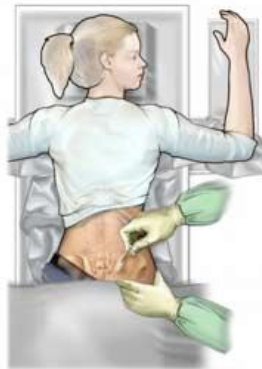
soft connective tissue

two types,
red and yellow

marrow

red produces red blood cells

yellow stores fat for
energy



Ch 13 sec 2

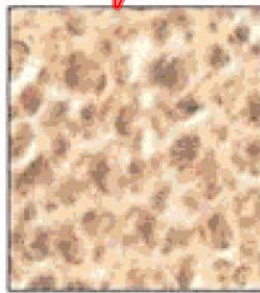
NTG @ 250-254

bone mineral loss

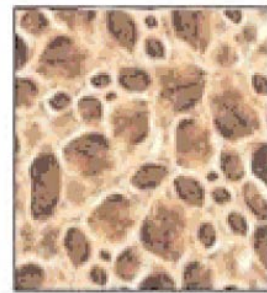
bones become weak

osteoporosis

bones can more easily break



Normal Bone



Bone with
Osteoporosis