

#40 Skeletal System

- ☐ Supports and protects the body
 - ☐ Protects organs
 - ☐ Stores minerals (calcium, etc...)
 - ☐ **MARROW**
 - Produces **Blood** Cells
 - ☐ **WBC**
 - ☐ **RBC**
 - ☐ Platelets
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#41:Parts of Bone

- ❑ Spongy bone- part of bone with many small pores(spaces)
 - ❑ Compact Bone- mostly solid, dense part of bone
 - ❑ Marrow- soft tissue in bones, produce blood cells
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#42 Joints

- Where two bones meet
 - Fixed joints: no movement (skull plates)
 - Movable joints
 - Ball and socket (hip)
 - Gliding (wrist)
 - Hinge (elbow and knee)
 - Pivotal (neck)
 - Partly movable: little bit of movement
 - Spine
 - Where ribs meet sternum
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#43: Muscles

- ❑ More than 600 in the body
 - ❑ Long fibers / cell
 - Contract (get smaller) when signaled by brain to move body
 - ❑ Help body move
 - INVOLUNTARY
 - VOLUNTARY
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44: Voluntary vs. Involuntary Muscle

☐ **Voluntary**

- You are in control by thinking about it
 - ☐ Bicep- moves your arm
 - CEREBRUM

☐ **Involuntary**

- They work automatically
 - ☐ digestion, breathing, blood circulation.
 - MEDULLA
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45: Types of Muscle

☐ Smooth

- **Not** striated (striped) / **INVOLUNTARY**
- found around the **internal organs**
 - ☐ blood vessels, stomach

☐ Cardiac

- Striated / **INVOLUNTARY**
- In **heart only**

☐ Skeletal

- Striated / **VOLUNTARY**
- Attached to bones / **moves skeleton**

#46: Tendon vs. Ligament

☐ TENDON

- Bone to Muscle
 - ☐ Moves the joint

☐ LIGAMENT

- Bone to bone
 - ☐ Stabilizes the joint
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