Anatomy Chapter 8 Study Guide

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| --- | --- | --- | --- | --- |
| **Joint** | **immovable, slightly movable, or movable** | **Type of joint (classified by material)** | **Example** | **Drawing** |
| Ball-and Socket | Movable | Synovial | Shoulder, Hip |  |
| Condylar | Movable | Synovial | Connection between phlanges and metacarpals |  |
| Gomphosis | Immovable | Fibrous | Teeth |  |
| Hinge | Movable | Synovial | Elbow, Knee |  |
| Pivot | Movable | Synovial | Head/atlas axis |  |
| Plane | Movable | Synovial | Wrist and ankles |  |
| Saddle | Movable | Synovial | Irregular, thumb |  |
| Suture | Immovable | Fibrous | Joints in skull |  |
| Symphysis | Slightly movable | Cartilage | Joint between Pubic bones |  |
| Synchodrosis | Immovable | Cartilage | Joints between vertebrae and ribs |  |
| Syndesmosis | Slightly Movable | Fibrous | Joint between fibula and tibia |  |

**Synovial Joints**

 Describe the role of the body part for allowing synovial joints to function

Joint capsule: Holds the joint together, provides structure

Ligaments: reinforces the joint capsule

Synovial Membrane: secretes synovial fluid

Synovial Fluid: lubricates the joints, contains stem cells

Menisci: cushions articulating surfaces of bones

Bursae: Fluid filled sacs holding synovial fluid

Articular Cartilage: Cushions the end of the bones in a joint

Other stuff to know:

A joint is an articulation

Movable -

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| **Type of Movement** | **Description** | **Stick figure drawing w/ arrows** |
| Abduction |  |  |
| Adduction |  |  |
| Hyperextension |  |  |
| Extension |  |  |
| Flexion |  |  |
| Dorsiflexion |  |  |
| Plantar Flexion |  |  |
| Flexion |  |  |
| Circumduction |  |  |
| Medial rotation |  |  |
| Lateral rotation |  |  |
| Supination |  |  |
| Pronation |  |  |
| Inversion |  |  |
| Eversion |  |  |
| Protraction |  |  |
| Retraction |  |  |
| Elevation |  |  |
| Depression |  |  |