Joints- Where two or more bones meet

Functions: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Classified by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (or function):

1. Fibrous (synarthroses): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ joint
2. Cartilaginous (amphiarthroses): slightly movable
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (diarthroses): freely movable

**Fibrous Joints:**

* No movement
* Location:

**Cartilaginous Joints:**

* Bones united by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Location: epiphyseal plates, rib, and sternum, pubic symphysis

**Synovial Joints:**

* Bones separated by fluid-containing joint cavity
* Synovial fluid reduces friction between cartilages
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: fibrocartilage that partially divides a joint cavity at knee, reduces friction
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: flattened sacs containing synovial fluid, occur where bones, ligaments, tendons, muscles, skin rub together

|  |  |  |
| --- | --- | --- |
| **Synovial Joint** | **Movement** | **Location** |
| Plane |  |  |
| Hinge |  |  |
| Pivot |  |  |
| Condyloid (ellipsoidal)  |  |  |
| Saddle |  |  |
| Ball-and-socket |  |  |

Synovial Joint Movement:

|  |  |  |
| --- | --- | --- |
| **Movement** | **Description** | **Example/Picture/Reminder** |
| Gliding |  |  |
| Angular | Flexion:Extension:Abduction:Adduction:Circumduction: | Flexion:Extension:Abduction:Adduction:Circumduction: |
| Rotation |  |  |
| Special Movements | Supination:Pronation:Elevation/Depression:Inversion/Eversion:Dosiflexion/plantar function:Protraction/retraction:Opposition: | Supination:Pronation:Elevation/Depression:Inversion/Eversion:Dosiflexion/plantar function:Protraction/retraction:Opposition: |