

Joints and Movements by  
James Morris

[Joint action and muscles -](#)

Task 1: Create a table for the 3 main synovial joints.

|                      |               |       |           |
|----------------------|---------------|-------|-----------|
| Description          | Ball & Socket | Hinge | Condyloid |
| Examples in the body |               |       |           |
| Articulating Bones   |               |       |           |

Task 2: Look up what these joint movements are. Describe and give a sporting example. Present in table form.

| Movement    | Description                     | Sporting Example             |
|-------------|---------------------------------|------------------------------|
| E.g Flexion | Decreasing the angle at a joint | Upward phase of a bicep curl |

Flexion/Extension/Abduction/Adduction/ Horizontal Flexion/Horizontal Extension/Medial Rotation/Lateral Rotation/ Circumduction/Dorsiflexion/Plantar flexion

Task 3: What are the antagonistic pairs of muscles at each of these joint?

Present in table form

1. Shoulder joint
2. Ankle Joint
3. Elbow Joint
4. Wrist Joint
5. Hip Joint
6. Knee

Note: There may be more than one movement at each joint

Watch the video, then complete the tasks: