# Types of joint motions during Walking

#### **Open Kinetic Chain**

The smaller distal bones move against the fixed more proximal larger bones

1/3 of the time spent walking is with the joints of the foot and leg moving in open kinetic chain.

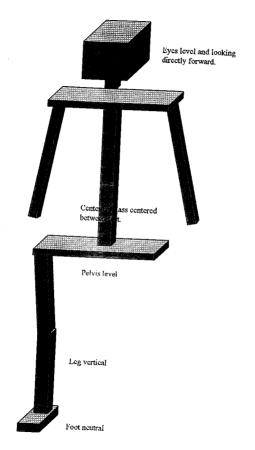
### Closed Kinetic Chain

The smaller distal bones stay stable and the larger proximal bones move.

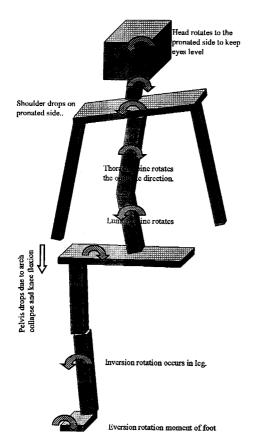
2/3 of the time spent wellsing is with the inject of the

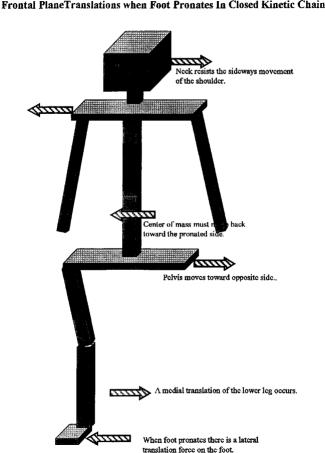
2/3 of the time spent walking is with the joints of the foot and leg moving in closed kinetic chain.

## Normal Posture

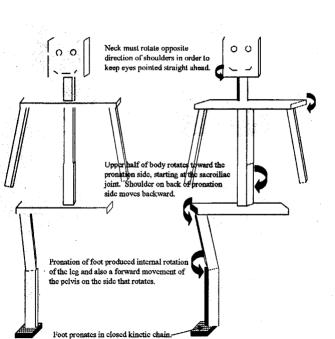


## Frontal Plane Rotations when Foot Pronates In Closed Kinetic Chain





Transverse Plane Rotations when Foot Pronates In Closed Kinetic Chain.



Sagittal Plane Rotations when Foot Pronates In Closed Kinetic Chain.

