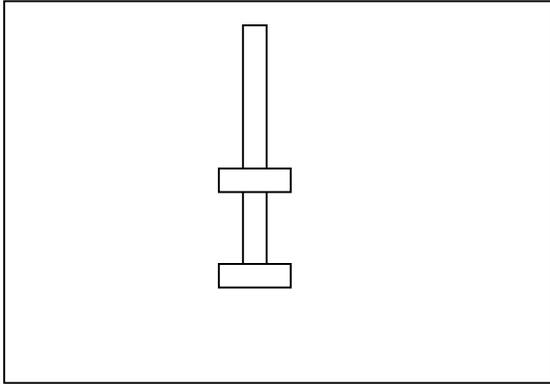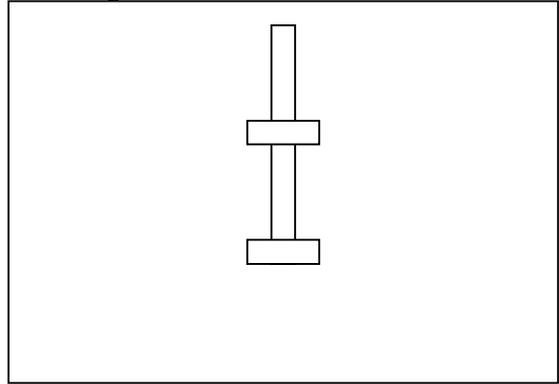Frames of reference
Earth Frame
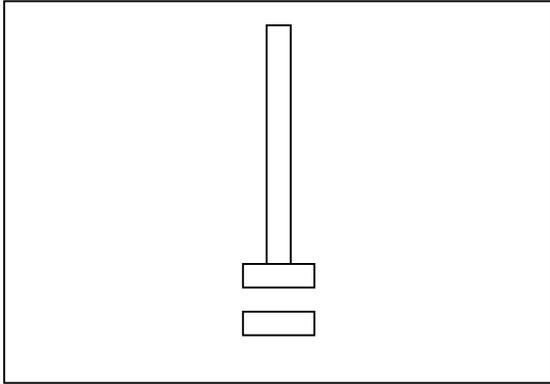

Moving Frame

Before collision

Choose a frame moving down at v/2

After Collision