

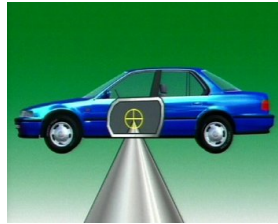
Center of Gravity

Center of Gravity

Objectives

Identify the CG on various objects, including humans.

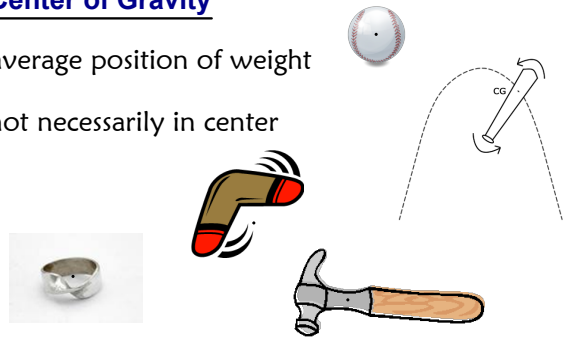
Determine whether or not an object will "topple".



Center of Gravity

average position of weight

not necessarily in center

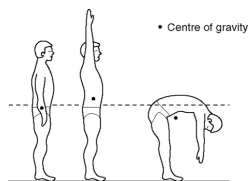
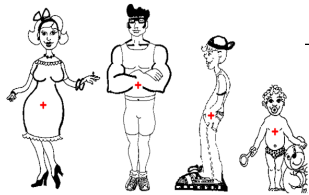


Center of Gravity - Humans

average position of weight

not necessarily in center

may change position

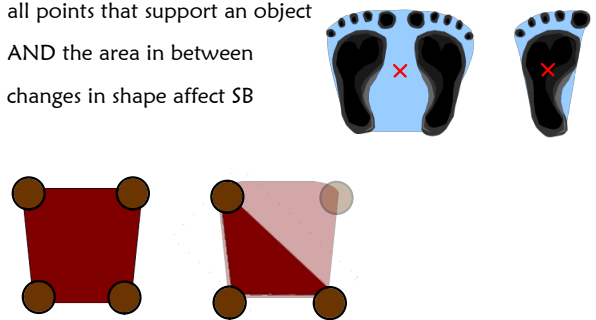


Support Base

all points that support an object

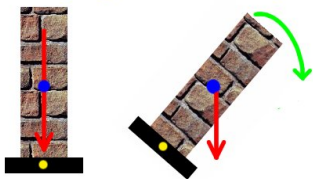
AND the area in between

changes in shape affect SB

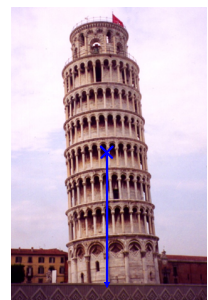


Toppling

when CG extends beyond its support base



Topple?

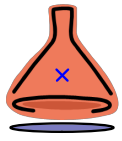


stableCG above support base

Center of Gravity

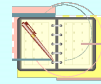
Stability

lower CG for better stability



athletic stance

Assignments . . .



- Activity: Impossible Human Tricks
- Begin Chapter 9 Homework #1 - 7

