

EX 21.3

Identifying action/reaction pairs

a)



- N = force of table on book
- W_B = weight of book toward earth
- G' = force of ground on table
- N' = force of book on table
- W_E' = weight of earth toward book
- G = force of table on ground

b)



- F' ←
- F = force of block on foot
- = force of foot on block

c)

- F_c = force of string pulling on rock (inward)
- F_c' = force of string pulling on hand (outward)

d)



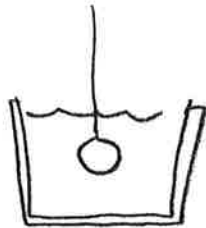
D = drag of air on skydiver

w = weight of skydiver toward earth

D' = drag of skydiver acting on air

w' = weight of earth toward skydiver

e)



T = tension of string on rock

B = buoyant force of water on rock

w = weight of rock toward earth

c = cup pushing up on water

B' = rock pushing down on water

w' = weight of earth toward rock

c' = water pushing down on cup

f)



F = force of magnet acting on gold

F' = force of gold acting on magnet