

CONCEPTUAL **Physical Science** PRACTICE SHEET

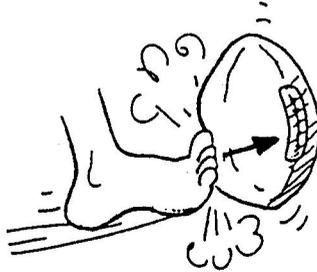
Chapter 2: Newton's Laws of Motion
Newton's Third Law

Your thumb and finger pull on each other when you stretch a rubber band between them. This pair of forces, thumb on finger and finger on thumb, make up an action-reaction pair of forces, both of which are equal in magnitude and oppositely directed. Draw the reaction vector and state in words the reaction force for each of the examples a through g. Then make up your own example in h.



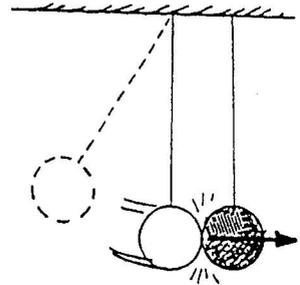
Thumb pulls finger

Finger pulls thumb



Foot hits ball

a _____



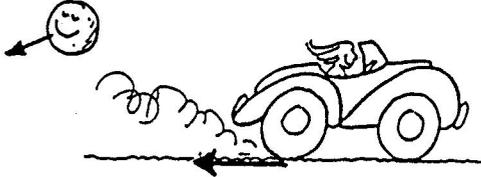
White ball strikes black ball

b _____



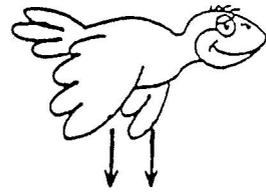
Earth pulls on moon

c _____



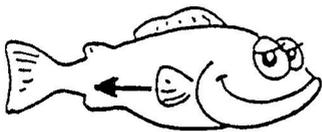
Tires push backward on road

d _____



Wings push air downward

e _____



Fish pushes water backward

f _____