

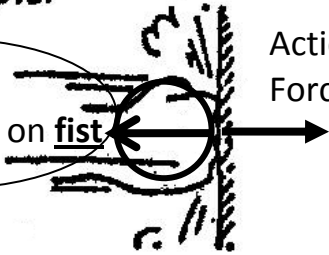
Name _____ Group _____ Center _____

Drawing and Labeling Action Reaction Force Pairs

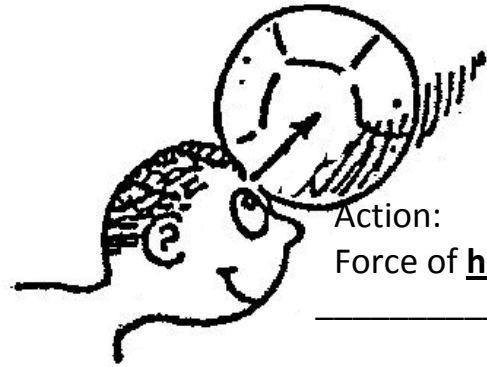
In the example below the action force is described and the arrow (vector) is drawn. The reaction force has been completed also. In the remaining pictures the action force is described and drawn. You are to **describe** the reaction **force** and **draw** the reaction **arrow** (arrows go tail to tail or head to head). Then draw your own action-reaction situation, describe the forces and draw the arrows. Finally, figure out the forces at each of the contact points in the final drawing.

Example:

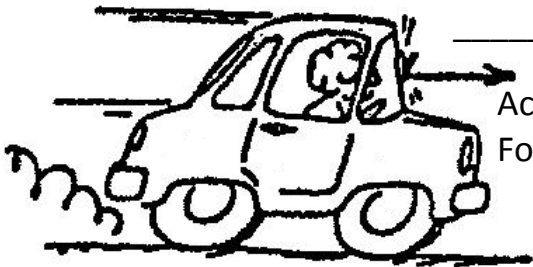
Reaction:
Force of wall on fist



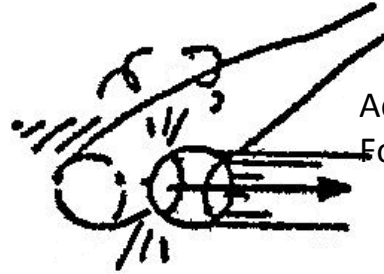
Action:
Force of fist on wall



Action:
Force of head on ball

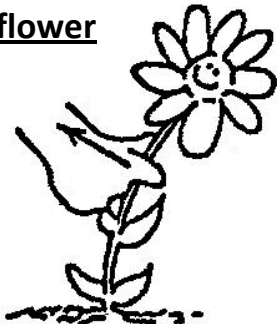


Action:
Force of car on bug

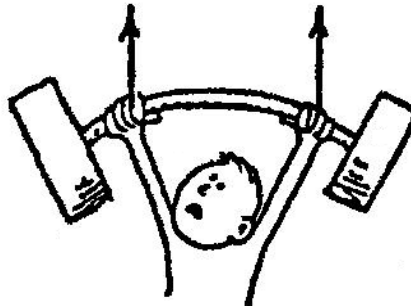


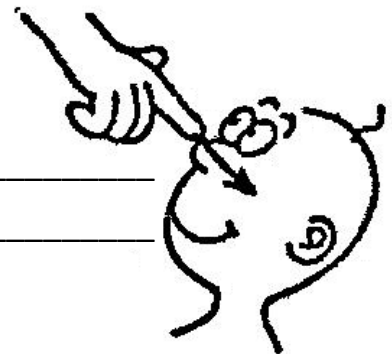
Action:
Force of bat on ball

Action:
Force of hand on flower



Action:
Force of hand on bar





Action:
Force of finger on nose

Draw and write your own here. Draw the picture, the arrows for both action and reaction and the descriptions for the action and reaction forces

At each contact point draw the action and reaction forces and identify the amount of force at each

