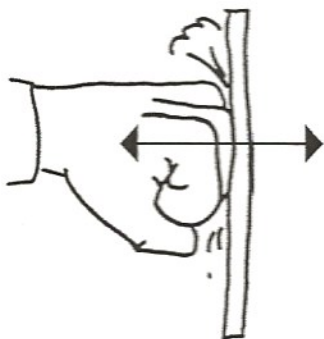


Name \_\_\_\_\_

# Newton's Third Law

## Action and Reaction

1. In the example below, the action-reaction pair is shown by the arrows (vectors), and the action-reaction is described in words. In (a) through (i), **draw the other arrow** (vector) and **state the reaction** to the given action. Make up your own examples in (j) and (k).



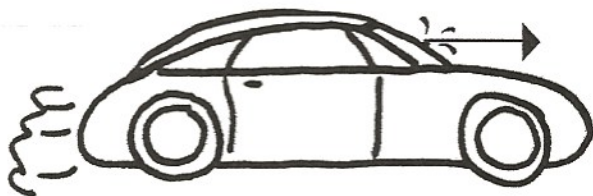
Action force applies force to wall from his hands.

Reaction force applies force to hand from wall.



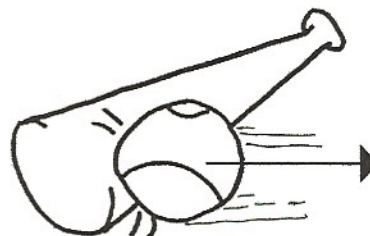
Action force applies force to ball from head.

a. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



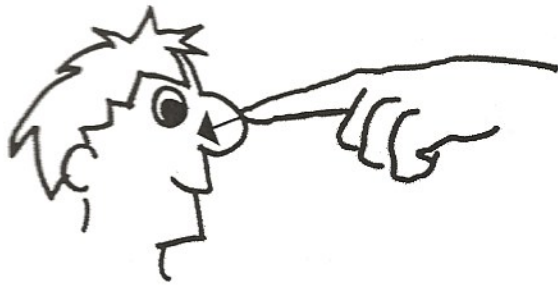
Action force applies force to windshield from the bug.

b. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



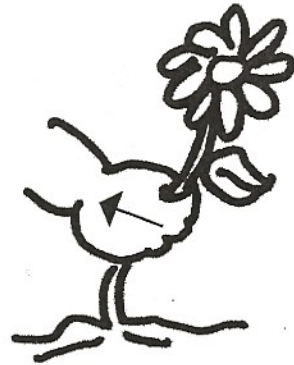
Action force applies force to the ball from the bat.

c. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



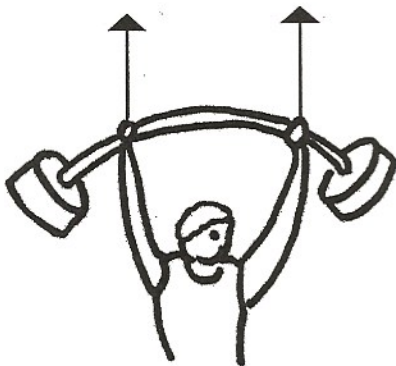
Action force applies force to the nose from the finger.

d. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



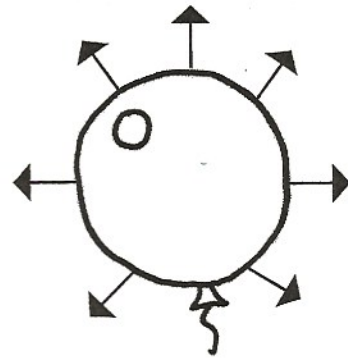
Action force applies force to the flower from the hand.

e. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Action force applies force to the bar from the athlete.

f. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Action force applies a force on the surface of the balloon from the compressed air.

g. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_