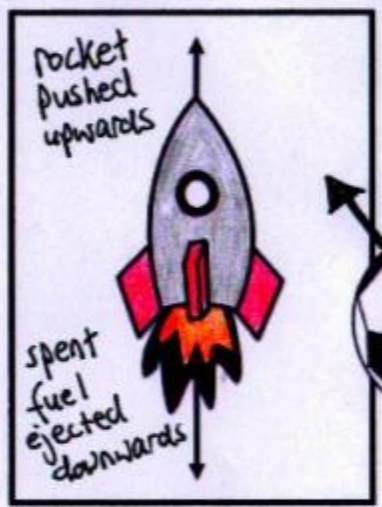
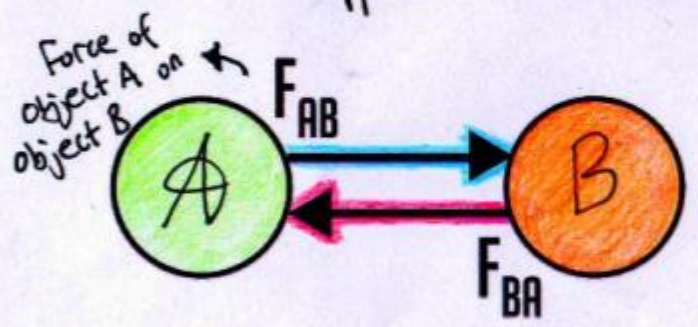
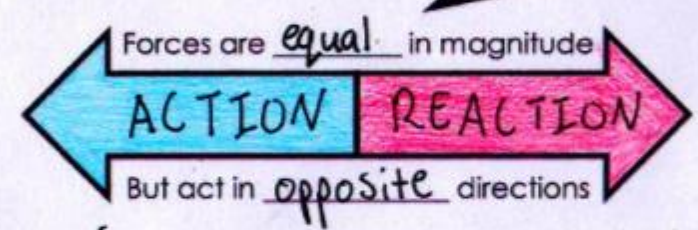




ACTION-REACTION

FOR EVERY action THERE IS AN equal AND opposite reaction

NEWTON'S 3RD LAW OF MOTION



IF object A EXERTS A FORCE ON object B, THEN OBJECT B EXERTS A FORCE OF equal strength IN THE opposite direction OF OBJECT A.

$$\vec{F}_{AB} = -\vec{F}_{BA}$$

negative in this case means "opposite"

LAW OF ACTION & REACTION

IN EVERY interaction, FORCES OCCUR IN pairs: action & reaction.

THESE TWO FORCES ACT IN opposite directions WITH equal magnitude.

>> YOUR TURN <<

If you were wearing roller skates and pushed against a wall, what would happen? Draw a diagram below: