

Name _____
 Science 7

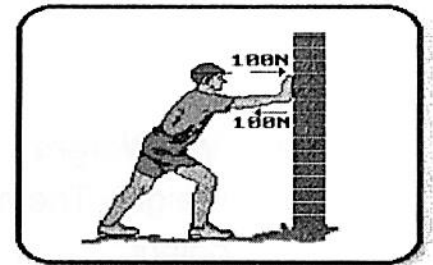
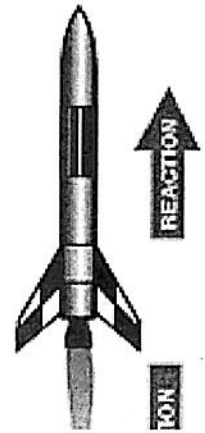
Date 11/13/19
 NOTES

Aim: I can analyze action and reaction forces.

Notes:

Newton's 3rd Law

- To every action, there is an equal and opposite reaction.
- When one object exerts a force on a second object, the second one exerts a force equal in size and opposite in direction.
- ex: Pogo Stick
- Describes action - reaction pairs.
- Force always act in pair.
- Forces are equal and opposite but act on different objects so they are not balanced and can cause a change in motion.



Which Law is It?

Scenario	Law
1. A climber pulls down on a rope causing his body to lift upward and rise up along the rope.	3 rd
2. Two bumper cars collide into each other and each car jolts backwards.	3 rd
3. It is much easier to carry your backpack when it is empty rather than when it's full of textbooks.	2 nd
4. A boy is going down a slide. As he reaches the bottom, friction causes him to slow down and stop.	1 st
5. A basketball sits in the ball cage in the gym. It remains motionless.	1 st
6. When you are standing in a subway train, and the train suddenly stops, your body continues to go forward.	1 st