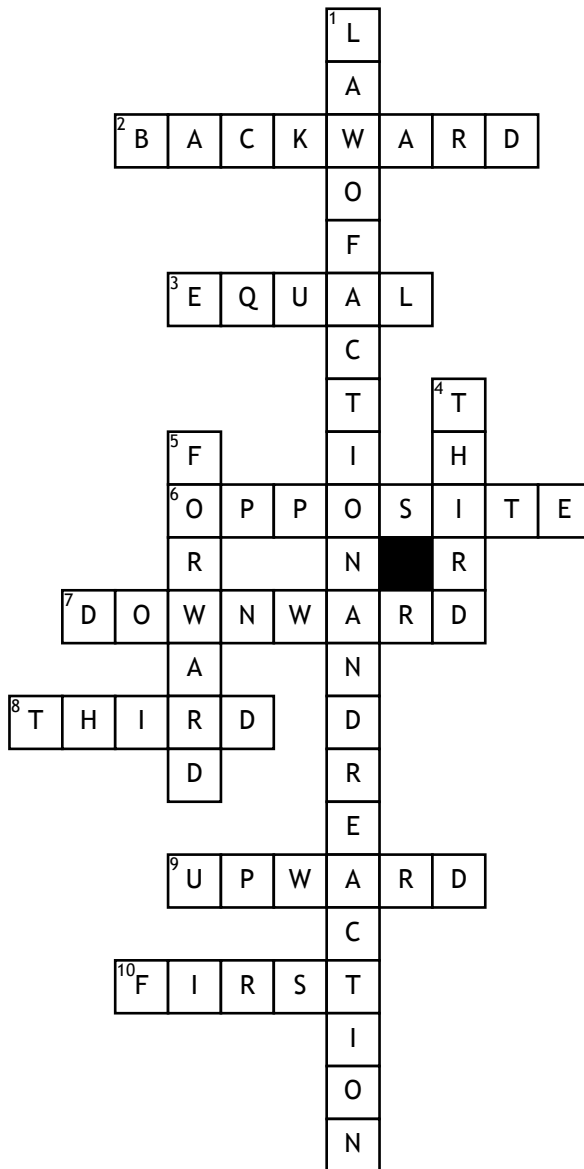


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Newton's Third Law of Motion



## Across

2. When rowing a rowboat, the action part of this example is when the rower pulls in this direction on the oar
3. The reaction is greater than, less than or equal to the strength in comparison to the original action
6. The reaction direction of the original action
7. While sitting in a chair, gravity is pulling down on your body. The action is that your body is exerting this force on the chair
8. Law of motion that states that the net force needed to move an object equals the mass of the object times its acceleration

9. While sitting in a chair, the reaction is that the chair is exerting this force on your body

10. Law of motion that states an object at rest stays at rest and an object in motion stays in motion unless an outside force acts upon it

## Down

1. Another name for Newton's third law of motion
4. law of motion that states that for every action, there is an equal and opposite reaction
5. Using the example of rowing a boat, the reaction is when the boat moves in this direction in the water