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Newton's Third Law of Motion

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| **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 stats 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 |