**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Homeroom:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Motion & Force WebQuest**

**Directions:**

Use the below websites to locate the answers to the below questions.

<http://teachertech.rice.edu/Participants/louviere/Newton/>

1.Who was the scientist who gave us the Laws of Motion?

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2.How many Laws of Motion are there? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. What is another name for the first law of motion?

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4. Which law explains why we need to wear seatbelts?

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5. Which law says that force is equal to mass times acceleration (F=MA)?

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6. Which law says that heavier objects require more force than lighter objects to move or accelerate them? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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7. Which law explains how rockets are launched into space?

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8. Which law says that for every action there is an equal and opposite reaction?

<http://studyjams.scholastic.com/studyjams/jams/science/forces-and-motion/fgravity-and-inertia.htm>

9. What is friction? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. What is gravity? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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11. What is momentum?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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<http://www.sciencekids.co.nz/gamesactivities/forcesinaction.html>

Go through the activity and complete each step.

12. Write a final conclusion about the relationships (force and motion) that you noticed throughout the game.