***Newton’s Laws Jeopardy*** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Spend 15min. answering the following clues with your group.*

*We will then discuss the answers and make corrections as a class.*

*Volunteer a question for bonus points on your test.*

**Mass vs. Weight**

1. This is the acceleration due to gravity on Earth
2. Mass of a 830N object on Earth
3. This will change when you move to a different planet.
4. Weight of a 44kg woman on Earth
5. On Planet X, a 130kg object weighs 13N. This Planet X’s ‘g’.

**Types of Forces**

1. Two forces are this when their net force is zero.
2. This force helps prevent you from sliding downhill.
3. This force is your weight.
4. This force keeps a dangling object in air.
5. This force is absent when objects free-fall in space.

**Net Force**

1. Force of gravity depends on these two things.
2. According to Newton’s second law, any increase in force will increase this.
3. The moon affects our tides more than the sun because of this.
4. This is the force need to accelerate a 5N object 10 m/s/s.
5. When calculating net force, you do this with all the forces present.

**Newton’s Laws**

1. When brakes are applied in a car, you move forward.
2. F = ma
3. When pushing forward off the side of an ice rink, you slide backward.
4. Fg = mg
5. Punching something hurts your hand because of this law.

**Your Questions #1**

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**Your Questions #2**

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