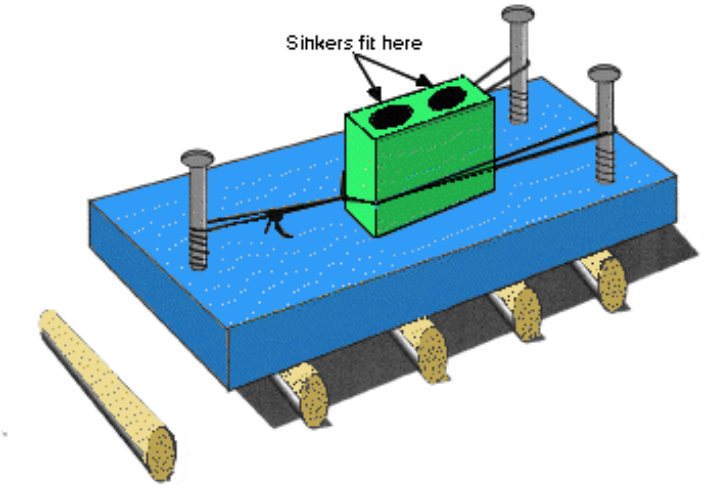
Newton Law's Post-Test

Answer each question to the best of your ability

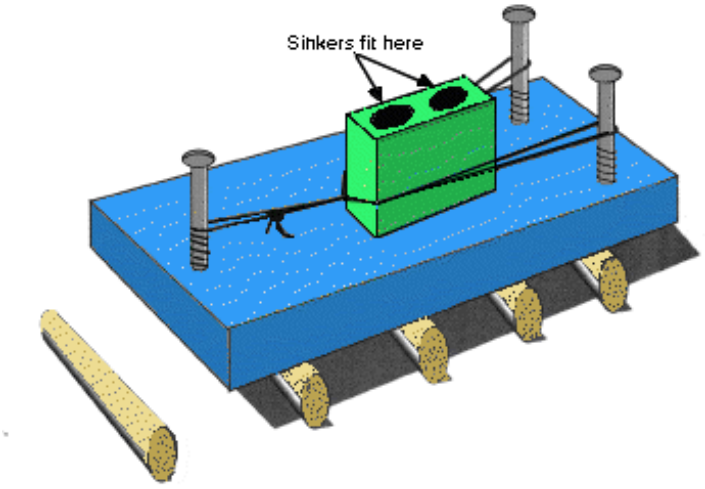
1. What is the source of acceleration in the figure below? 1 p



Mark only one oval.

- ◯ Rubber band
- ◯ Wooden Block
- ◯ Cotton String
- ◯ Wooden Dowels

2. What is the source of mass in the experiment below? (It could be more than one answer) 1 p



Check all that apply.

- [ ] Rubber band
- [ ] Wooden Block
- [ ] Metal Sinkers
- [ ] Wooden Dowels

3. Justine and Teresa are each pushing separate boxes across the same floor. The boxes are the same shape, but Justine's box is twice the mass of Teresa's box. Teresa sets her box in motion by applying a force of 35 newtons (N). 2 pc

Mark only one oval.

- ◯ 18
- ◯ 35
- ◯ 70
- ◯ 140

4. A probe traveling through outer space is moving at a constant velocity. Which statement applies to the motion of this probe? 3 pc

Mark only one oval.

- ◯ An unbalanced force is acting on the probe, causing it to accelerate.
- ◯ The probe will undergo constant acceleration until a force acts on it.
- ◯ The probe will continue on its current path until an unbalanced force acts on it.
- ◯ The force that makes the probe move through space is equal to its mass divided

5. Which of these is one of Newton's laws of motion? 3 pc

Mark only one oval.

- ◯ An object's momentum is the product of its mass and velocity..
- ◯ A moving object will continue moving until a force acts upon it.
- ◯ The force of gravity is proportional to the inverse square of the distance.
- ◯ The rate at which an object falls depends on the height from which it is dropped.

6. How much fun was this lesson?

Mark only one oval.

	1	2	3	4	5	
Really not fun	◯	◯	◯	◯	◯	Very Fun

7. How much do you agree with the statement, “ I learned a lot today.”

Mark only one oval.

- ◯ Strongly disagree
- ◯ Disagree
- ◯ Neutral
- ◯ Agree
- ◯ Strongly agree