Name -Key- Class

Newton's Laws of Motion review

Bellringer: Who was Sir Isaac Newton? Mathematician that invented Calculus and developed several laws.

Newton's 3 laws of motion.	
First law of motion	An object in motion/Rest will stay in motion/Rest unless acted on by external force,
Second law of motion	F=ma; ↑ mass. needs more force to change its motion
Third law of motion	Every Action has an equal and opposite reaction.

In the data chart below record which law(s) of motion are in the description on each numbered slide.

*yes some slides have more than one answer. *Describe why you chose that law of motion.*

Slide Number	Newton's Law 1,2,3	Describe why you selected the law of motion you did.
1	2	comparing force, mass, + acceleration mass: Large vs. small
2	1	Move forward due to inertia
3	3	Action/Reaction Push down on board, board pushes up
4	2	Need to apply more force due to increase in mass to keep same speed
5	1	Moon is in motion, will stay in motion unless acted upon by an outside force.
6	3	Boy pulls down on rope, which pushes his body upward.
7	1	Friction is the outside force that slows + stops your motion.
8	3	Fisherman is pulling on fishing rod which causes him to be pulled toward water.
9	2	Less mass = faster acceleration with the same force applied.
10	1 & 3	1st: Gravity is the outside force that changes your motion. 3rd: You push on Earth, Earth pushes back on you.

Slide Number	Newton's Law 1,2,3	Describe why you selected the law of motion you did.
11	2	Apple has more mass, so gravity (force) pulls more on it and accelerates it towards ground.
12	3	Action/Reaction - Air escapes out pushing car in opposite direction.
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