

NAME:

PERIOD:

DATE:

## NEWTON'S LAWS REVIEW SHEET

Use your book or notes to answer the following questions.

PART ONE: VOCABULARY: give the definitions of the following words.

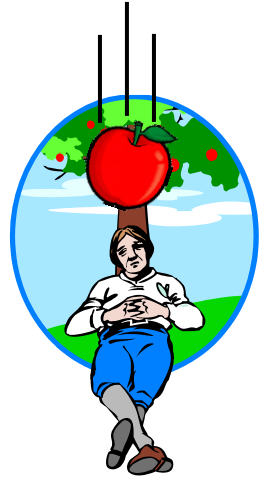
1. force –
2. Newton –
3. friction –
4. gravity –
5. terminal velocity –
6. inertia –
7. momentum –

PART TWO: NEWTON'S LAWS: Write them out.

8. Newton's First Law of Motion –
9. Newton's Second Law of Motion –
10. Newton's Third Law of Motion –

PART THREE: PICK A WORD. Pick a vocabulary word that applies to the statement and say why it does.

11. A fish bites down on the bait, and pulls on the fishing rod.
12. A welder needs to move her acetylene tank to the other side of the shop. The tank is on wheels. She notices that it is harder to get the tank to start to roll than it is to actually move it.



13. While riding his bicycle, a kid slams on the brakes when he sees \$20 lying in the road. Unfortunately, he hits the brakes on top of an icy spot.

14. A blind elephant is moving very slowly towards a safari scientist. The safari scientist is intently playing a game on his laptop and doesn't see the elephant. The elephant just lightly bumps the scientist and stops in its tracks. The scientist flies forward about ten feet when hit.

15. "What goes up, must come down."

16. The parachutist looked at their speedometer as they fell. At first, they fell at faster, and faster speeds, and then after a few seconds, they were falling at a constant speed.

PART FOUR: OTHER IDEAS: Answer the following questions. Be specific. Be scientific.

17. What is a net force?

18. What are balanced forces?

19. Draw a diagram that shows an example of Newton's 3<sup>rd</sup> Law

20. How are momentum and inertia the same thing?