

Newton's Law Note Taking Guide

Newton's First Law of Inertia

- Newton's first law states that every object continues in a state of _____, or of uniform speed in a straight line, unless _____.
- Objects continue to move by themselves
- Forces are needed to overcome _____.

Object's at Rest

- Objects at rest stay at rest and _____ will change its state.

Objects in Motion

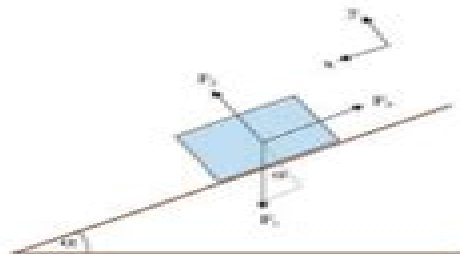
- In the absence of forces a moving object tends to move in _____.

Mass

- The more _____ an object has, the greater its _____.
- $1\text{ KG} = \text{ } \text{N}$
- SI unit of _____ is the Newton
- $\text{N} = \text{KG} \cdot \text{m} \cdot \text{s}^{-2}$

Newton's Second Law

- States that the net force on an object is equal to its _____ and points in the direction of the _____.
- $F_{\text{net}} = \text{mass} \times \text{acceleration}$
- $\text{Acceleration} = \text{net force} / \text{mass}$
- _____ of an object is **proportional** to the net force acting on it
- Mass and acceleration are _____.
- $W = \text{mass} \times \text{acceleration due to gravity}$
- Free body diagrams:



Note Taking Guide Newtons Laws

JE Gale



Note Taking Guide Newtons Laws:

The Top Books of the Year Note Taking Guide Newtons Laws The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous compelling novels enthralling the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the engaging narratives that have enthralled audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This poignant tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Note Taking Guide Newtons Laws : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Note Taking Guide Newtons Laws : Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and thrilling novel that will keep you speculating until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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