



**MathsNET**

A joined up approach to  
teaching and learning  
mathematics

# Newton's First law

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- Before watching the video explain what you understand the physics terms **the system**, **the environment**, **a state of the system**, **a force** and **a derivative** to mean.
- What does Newton's first law state?
- What did I say defines the state of a system in Newtonian mechanics?
- How did I say we define change in physics? Describe what types of processes constitute change in Newtonian physics?



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- Having now watched the video what do you understand the physics terms **the system**, **the environment**, **a state of the system**, **a force** and **a derivative** to mean.