

9J Gravity and space

complete the sentence

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Place the right word or words to complete the sentence:

 Click mouse to reveal answer

never

gravity

phases

force

orbit

value

orbiting

direction

keeps

- Newton was the first to use _____ as an explanation to why all objects fall.
- In our solar system, there is Earth and eight other planets _____ the sun.
- A force always has a magnitude and_____.
- Gravity is the _____ of attraction that keeps the moon orbiting the Earth.
- There are eight distinct_____ of the moon throughout a lunar month.
- Weight is the_____of gravity acting on an object's mass.
- Artificial satellites _____ the Earth and are used by the military and weathermen.
- The _____ of g on the surface of Jupiter is approximately 26Nkg^{-1} .
- Your mass_____changes, wherever you are in the Universe, but your weight does.

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- a) **Newton was the first to use gravity as an explanation to why all objects fall.**
- b) **In our solar system, there is Earth and eight other planets orbiting the sun.**
- c) **A force always has a magnitude and direction.**
- d) **Gravity is the force of attraction that keeps the moon orbiting the Earth.**
- e) **There are eight distinct phases of the moon throughout a lunar month.**
- f) **Weight is the force of gravity acting on an object's mass.**
- g) **Artificial satellites orbit the Earth and are used by the military and weathermen.**
- h) **The value of g on the surface of Jupiter is approximately 26Nkg^{-1} .**
- i) **Your mass never changes, wherever you are in the Universe, but your weight does.**