

9J Gravity and space...Lunar landing

level 5

level 6

level 7

plenary one

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

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Match the following statements:



Click mouse to reveal answer

The size of a force is measured in...



The Earth is exactly between the Sun and the moon.

On landing on the surface of the moon, Neil Armstrong said...



27.3 days.

The force of gravitational attraction between two objects depends on...



Newtons.

A lunar eclipse is when...



"This is one small step for man, one giant leap for mankind"

Gravity exerts a force of 10 Newtons per kilogram on Earth. On the moon it is...



Their mass and the distance between them.

The moon orbits Earth once every...



Approximately one sixth the value at 1.6Nkg^{-1} .

plenary one

Answer:

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Newtons.

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"This is one small step for man, one giant leap for mankind"

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plenary two

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Decide whether the following statements are true or false:



Click mouse to reveal answer

Statements:	True	False
Yuri Gagarin made the first successful landing on the surface of the moon ?	True	False
Apollo 11 carried the first lunar module to the surface of the moon ?	True	False
During a total lunar eclipse, the moon takes on a beautiful reddish appearance ?	True	False
The Russians launched Sputnik II (03.11.1957) which carried the first animal into space ?	True	False
On July 20 th 1969, Neil Armstrong landed on the surface of the moon ?	True	False
The last Apollo mission to land humans on the moon was Apollo 17 ?	True	False
A solar eclipse is when the moon is in between the Sun and the Earth ?	True	False
Neil Armstrong was the first man in space ?	True	False
In the early eighties, the Apollo rockets were replaced by the reusable space shuttle ?	True	False
The last total solar eclipse visible in England was on August 11 th 1999 ?	True	False

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Answer:

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Apollo 11 carried the first lunar module to the surface of the moon ?	True	
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In the early eighties, the Apollo rockets were replaced by the reusable space shuttle ?	True	
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plenary three

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Name the eight phases of the moon: Use the following words; Waxing, Full, New, Waning, Crescent, Quarter & Gibbons:

 Click mouse to reveal answer

Stage	one	two	three	four
Diagram				
	New moon			
Stage	five	six	seven	eight
Diagram				

plenary three

Answer:

Stage	one	two	three	four
Diagram				
	New moon	Waxing crescent	First Quarter	Waxing gibbons
Stage	five	six	seven	eight
Diagram				
	Full Moon	Waning Gibbons	Last Quarter	Waning crescent