

# 9J Gravity and space...Ideas about the solar system

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

There are four gas giant planets. They are...

Appears like a small star.

Least is know about the smallest planet Pluto. This is because...

The moon.

Pluto is the outermost planet in the solar system. On its surface, the Sun...

Zero, because there is no gravity.

In deep space, your mass remains the same but your weight is...

Jupiter, Saturn, Neptune and Uranus.

Earth has one natural satellite. It is called...

Reaches each planet's surface.

As you move away from the Sun, less solar energy...

It is difficult to image at over 5,906,380,000 km away from the Sun

## plenary one

Answer:

There are four gas giant planets. They are...

Jupiter, Saturn, Neptune and Uranus.

Least is know about the smallest planet Pluto. This is because...

It is difficult to image at over 5,906,380,000 km away from the Sun.

Pluto is the outermost planet in the solar system. On its surface, the Sun...

Appears like a small star.

In deep space, your mass remains the same but your weight is...

Zero, because there is no gravity.

Earth has one natural satellite. It is called...

The moon.

As you move away from the Sun, less solar energy...

Reaches each planet's surface.

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## plenary two

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Decide whether the following statements are true or false:



Click mouse to reveal answer

<b>Statements:</b>	<b>True</b>	<b>False</b>
The Sun's surface temperature is around 6000°C, inside the core its is 14,000,000°C ?	True	False
Shooting stars or meteors are bits of material falling through Earth's atmosphere ?	True	False
A black hole allows nothing to escape its gravitational pull, not even light ?	True	False
Yuri Gagarin made the first successful landing on the surface of the moon ?	True	False
Jupiter is the smallest planet in the solar system ?	True	False
The Sun is halfway through its life, using 4 million tonnes of hydrogen every second ?	True	False
The Earth is 149 million kilometres away from the sun and has an orbit of 365 days ?	True	False
Mercury is the furthest planet from the Sun taking 248 years to complete a full orbit ?	True	False
Recently, frozen water was discovered at both poles on Mars ?	True	False
During our summer, the northern hemisphere is tilted towards the sun ?	True	False

## plenary two

Answer:

<b>Statements:</b>	<b>True</b>	<b>False</b>
The Sun's surface temperature is around 6000°C, inside the core its is 14,000,000°C ?	True	
Shooting stars or meteors are bits of material falling through Earth's atmosphere ?	True	
A black hole allows nothing to escape its gravitational pull, not even light ?	True	
Yuri Gagarin made the first successful landing on the surface of the moon ?		
Jupiter is the smallest planet in the solar system ?		
The Sun is halfway through its life, using 4 million tonnes of hydrogen every second ?	True	
The Earth is 149 million kilometres away from the sun and has an orbit of 365 days ?	True	
Mercury is the furthest planet from the Sun taking 248 years to complete a full orbit ?		
Recently, frozen water was discovered at both poles on Mars ?	True	
During our summer, the northern hemisphere is tilted towards the sun ?	True	

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## plenary three

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Name the following objects found in our universe: Use the following words: Galaxy, Moon, Asteroid, Meteors, Milky Way, Planet, Solar eclipse & Gas nebula:



Click mouse to reveal answer

	one	two	three	four
Diagram				
	Galaxy			
	five	six	seven	eight
Diagram				

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Answer:

	one	two	three	four
Diagram				
	Galaxy	Planet	Solar Eclipse	Meteors
Stage	five	six	seven	eight
Diagram				
	Moon	Milky Way	Gas Nebula	Asteroid