1

50 questions

| What is the name of the planet where humans live ?

ANSWER: Earth | Is life known outside of Earth ?

ANSWER: No | What is the main colour of Earth seen from space ?

ANSWER: Blue | Why is the Earth also called the Blue planet ?

ANSWER: Due to the oceans, water, seas that cover a large part of its surface |
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What's the name of the two hemispheres on Earth ? *ANSWER: North and South hemi-spheres*	What is the name of the natural satellite on Earth ? *ANSWER: The Moon*	

Cite three things that you can see on Earth from space ? *ANSWER: Oceans, seas, continents, clouds, mountains, rivers (3 of these options)*	What planet is represented on this picture ? *ANSWER: The Earth*

What is represented on this picture ?

ANSWER: The Moon

Does the Moon have an atmosphere ?

ANSWER: No

Have humans ever been on the Moon ?

ANSWER: Yes

What is represented on this picture ?

ANSWER: The Earth seen from the Moon

Which natural object is rotating around the Earth ?	Does the Moon emit light ?	Why does the Moon shine ?	Can you see the Moon during the day ?
ANSWER: The Moon	*ANSWER: No*	*ANSWER: Because it reflects the Sun's light*	*ANSWER: Yes*
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| Do we always see the same side of the Moon ?

ANSWER: Yes | Why do we always see the same side of the Moon ?

ANSWER: Because the Moon rotates on itself as the same time it rotates around the Earth | What is the rotation period of the Moon around the Earth ?

   a.   2 days
   b.   one year
   c.   27 days

ANSWER: c |

This is a footprint of an astronaut on the Moon. It is still visible 40 years after. Why ?

ANSWER: Because there is no atmosphere on the Moon, hence no wind |
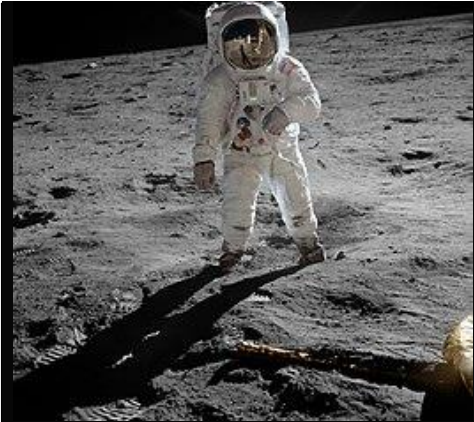
Where are the astronauts ?

ANSWER: On the Moon
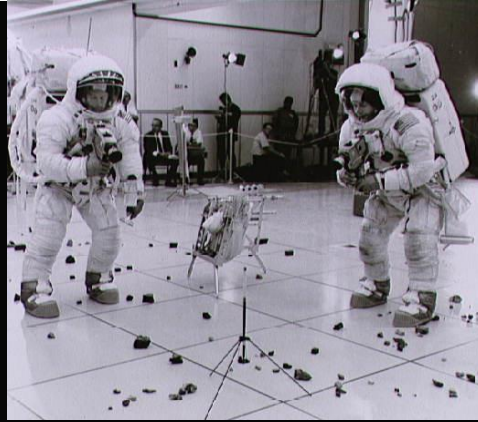
Where are the astronauts ?

ANSWER: Astronauts are training for their trip to the Moon, here on Earth

Is there water on the Moon ?

ANSWER: No

What is called this phase of the Moon ?
a. Full Moon b. New Moon c. quarter Moon

ANSWER: a

With this configuration of the Moon position between Earth and Sun, what is the name of the phase of the Moon ?
a. Full Moon b. New Moon c. Quarter Moon
ANSWER: b

With this configuration of the Earth position between Moon and Sun, what is the name of the phase of the Moon ?
a. Full Moon b. New Moon c. Quarter Moon
ANSWER: a

If tonight is New Moon, would you be able to see the Moon in the sky ?

ANSWER: No. When it is New Moon the Moon is between the Earth and the Sun, on the "day side" of the Earth

What is called this phase of the Moon ?
a. Full Moon b. New Moon c. quarter Moon

ANSWER: c

Where could you see tides on Earth ?	It is day on Earth. Suddenly, for a few minutes it is night in the middle of the day. What happened ?	How long is the trip to go to the Moon ?	What is the name of the missions of humans going on the Moon ?
a. on the coast b. on the mountains c. on the countryside *ANSWER: On the coast. The tides are when the sea or the ocean withdraws then advances twice a day due to the Moon attraction*	*ANSWER: A solar eclipse. The Moon mask the light from the Sun during few minutes*	a. 3 days b. 3 hours c. 3 weeks *ANSWER: a*	*ANSWER: Apollo missions*

What is the hidden side of the Moon ? *ANSWER: This is the face of the Moon that is not visible from Earth*	In winter in the northern hemisphere, is there Sun light on the North Pole ? *ANSWER: No, in winter in the North hemisphere, the North Pole experience a night longer than 24 hours. It is called the Polar Night and last around one month*	In summer in the southern hemisphere, is it night time on the South Pole ? *ANSWER: No, in summer in the southern hemisphere, the South Pole experience several days where the Sun does not set. It is called the Midnight Sun and last around one month*	What is the shape of Planet Earth ? *ANSWER: A sphere*
1	1	1	1

Is there wind on the Moon ?	Where are the Poles ?	Could we see the clouds from space ?	In which direction can we see the Sun rise ?
ANSWER: No, there is no wind on the Moon because there is no atmosphere	a. On North b. On North and South c. On West and East *ANSWER: The Earth has two Poles that are on the North and the South*	*ANSWER: Yes*	a. East b. South c. West *ANSWER: a*

1   1   1   1

In which direction can we see the Sun set ?	What is the name of the imaginary line that separates the two hemispheres?	Which kind of objects can be found on the Moon ?	On which planet do we live ?
a. North b. South c. West *ANSWER: c*	a. the tropic b. the border c. the equator *ANSWER: c*	Hint : Some humans visited the Moon 50 years ago and left some objects there. *ANSWER: Rover, Flag, Mirrors,..(these are some examples)*	*ANSWER: On the planet Earth*

Where do we live ?	How many artificial satellites are currently in orbit around the Earth ?	How old is the Earth ?	Is there life on the Moon ?
a. on the planet Earth b. on the Sun c. On the Moon *ANSWER: a*	a. 300 b. 4 000 c. 50 000 *ANSWER: Around 4 000 artificial satellites are currently counted, among which 1700 are in activity*	a. 450 000 yrs b. 4.5 million yrs c. 4.5 billion yrs *ANSWER: The Earth as well as the Solar system has 4.5 billion yrs*	*ANSWER: No*

Are there craters on the Moon ?

ANSWER: Yes, a lot of craters are seen on the Moon

Does the Earth have several Moons ?

ANSWER: No, the Earth has only one Moon, that we named the Moon

2

48 questions

What is the closest star to the Earth ? *ANSWER: The Sun*	What is the name of the people that go in space ? *ANSWER: Astronauts, cosmonauts or spationauts - not to confuse with astronomers or astrophysicists that are the researchers that study the objects in space*	How many days are there in a year ? *ANSWER: 365 days, except for leap year where we add one more day for a total of 366 days*	What is the Earth's natural satellite ? *ANSWER: The Moon*

What are the two planets in the Solar system that do not have natural satellites ? ANSWER: Mercury and Venus do not have natural satellites	What is the name of the force that bound the Earth and the Moon ? ANSWER: Gravity	What is the name of the force that sticks you on the ground ? ANSWER: Gravity	Why would you feel lighter if you were on the Moon ? ANSWER: Because the Moon is lighter than the Earth, then the Gravity is smaller. Hence the astronauts that were on the Moon feel lighter and can jump easily on the Moon surface

Is astrology a science ?	Is science made on belief ?	Is the star hot or cold ?	What is the shape of a star ?
ANSWER: False. Astrology is a mix of beliefs	ANSWER: No, Science is based on facts, experiments and can be tested	ANSWER: a star is very hot	a. a sphere b. a square c. a star-shape (s special-type of polygon) ANSWER: a

How many months are there in a year ?	The Earth orbits around the Sun. How long does it last ?	The Earth rotates on itself. How long does it last ?	How many days are there in a week ?
ANSWER: 12 months	a. one month b. one year c. one day *ANSWER: b. one year is the time taken by Earth to do one orbit around the Sun*	a. 24 hours b. one day c. 1440 minutes *ANSWER: all replies are right. The Earth rotates on itself in a one day period. This is equal to 24 hours or 1440 minutes*	*ANSWER: 7*

Some days of the week are named according to celestial body. Could you give an example ?

ANSWER: Sunday: Sun's day, Monday: Moon's day, Saturday: Saturne's day

What is a shooting star ?
a. a star going fast
b. a small rock that enters the atmosphere and burns
c. a group of fireflies

ANSWER: b. a small rock that enters the atmosphere and burns . The size of the rocks is of the order of few millimetres and smaller

Does a star evolve as a function of time?
a. Yes
b. No

ANSWER: a. Yes. A star is born in a cloud, accretes gas, burns the hydrogen and then evolves and dies

What is the name given to this assembly of gas and stars ? a. a stellar blob b. a large plate   c. a galaxy

ANSWER: c

What is the name that humans give to the Galaxy we live in ? a. the Milky Way b. the Fabulous place c. the Shiny Home *ANSWER: a. the Milky Way, as seen from Earth a band of luminous stars in the sky*	How long does the light take to go to the nearest star of the Solar System ? a. 4.2 years b. 10 minutes c. 1 week *ANSWER: The closest star to the Sun is Proxima Centauri. The light takes 4.2 yrs to reach it*	What is the speed of light ? a. 10m/s b. 1000 m/s c. 300 000 km/s *ANSWER: The speed of light is the maximum speed that can be reached. It is of 300 000 km/s*	How many stars are there in a galaxy ? a. 100 thousands b. 100 millions c. 100 billions *ANSWER: A Galaxy like the one we live in contains around 100 billions stars !*

Do all the stars that we see have the same size ? Yes or No ? *ANSWER: No. When they are formed, the stars accrete more or less gas in their clouds. Hence, stars are more or less big and more or less massive. It also gives them different colours*	Do stars twinkle ? Yes or No ? *ANSWER: No. The Earth's atmosphere is always moving (winds at different altitudes). The light of the star passes through the atmosphere. It is what makes stars twinkling when we observe them at night*	What is the name of the closest star to the Sun ? a. Venus b. Proxima Centaury c. Aldebaran *ANSWER: b. Proxima Centaury - Venus is a planet of the Solar System - Aldebaran is a bright star in the Northern star*	What is the distance to the closest galaxy, Andromeda, from us ? a. 2.5 billion light year b. 250 000 light year c. 250 light year *ANSWER: Andromeda is the galaxy closest to our Galaxy, the Milky Way. It is at a distance of 2.5 billion light-year*

What is the name of the Galaxy closest to our Galaxy, the Milky Way ?
   a.   Horizon
   b.   Optilene
   c.   Andromeda
 	
ANSWER: c. Andromeda is the name given at the closest Galaxy. It is at a distance of 2.5 billion light-year
	How many astronauts can be in the International Space Station ?
	   a. 4
	   b. 7
	   c. 15
	
	ANSWER: Seven astronauts can be at the same time in the International Space Station
		What is the White dwarf ?
		   a. a cloud of white dust
		   b. a very small galaxy
		   c. a remnant of a star
		
		ANSWER: c. a remnant of a star. This is a very dense core that left after a star burned all its hydrogen at the end of its life
			What is a black hole ?
			a. a place in space where the gravity is so strong that nothing around it can escape, not even light
			   b. a black spot seen on the Sun
			c. a place where there is no star in a galaxy
			
			ANSWER: a. a place in space where the gravity is so strong that nothing around it can escape, not even light

Is there a black hole at the center of our galaxy ? yes or no ?	Some humans live outside of the Earth, where ?	What is the weight of a space suit ?	How many seasons are there in Europe ?
ANSWER: Yes, there is a black hole at the center of our galaxy. It was discovered observing the closest stars rotating around it	ANSWER: In the International Space Station	a. 170kg b. 30 kg c. 5kg ANSWER: a. 170kg. An astronaut that wants to go out in space will need help and 4 hours and a half to wear this !	ANSWER: Four seasons

What are the names of the four seasons that we have in Europe ? *ANSWER: autumn, winter, spring and summer*	Do planets orbit around stars ? Yes or No ? *ANSWER: Yes, planets form around a star and orbit around them. Exceptionally, planets can be ejected from their system and float alone in space*	Do stars orbit around planets ? Yes or No ? *ANSWER: No, planets form around a star and orbit around them, and not the reverse !!*	When it is spring in Europe, which season it is in the South hemisphere ? a. spring b. winter c. autumn *ANSWER: The seasons are reversed between North and South hemi-spheres. When it is spring in the north, it is autumn in the south*

When it is Christmas in Europe, which season it is in the South hemisphere ?	What is light pollution ?	Why do we see few stars in the sky when we are in a city ?	Are stars bound in a constellation ? Yes or No ?
a. Summer b. winter c. autumn *ANSWER: The seasons are reversed between North and South hemispheres. When it is Christmas in December in Europe, it is the beginning of summer in the South hemisphere*	a. the excessive artificial light that hamper to see the stars at night b. the fact that the light does not show its real colour c. the excessive artificial light that has serious environmental consequences for humans, fauna and flora *ANSWER: a. and c the excessive artificial light that hamper to see the stars at night also perturbs the cycle of humans, fauna and flora*	*ANSWER: This is due to light pollution, the excessive artificial light that hampers to see the stars at night as it results in the brightening of the night sky*	*ANSWER: No, a constellation is a figure pictured by humans. The stars are very far from each other and are not bound*

What is the name of a picture named by humans considering stars as points, and link them together, as a drawing game ?	Which of these names do not belong to a Constellation ?	Is the Sun a star or a planet ?	Can human breathe normally in space as they can on Earth ?
a. an asterism b. a constellation c. a horde *ANSWER: b*	a. Giraffe b. Queen of Ethiopa c. Thief *ANSWER: c. Thief is not the name of a constellation*	*ANSWER: The Sun is the star of the Solar System*	*ANSWER: No, the human needs earth atmosphere composition to breathe. Space is empty of air*

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49 questions

How many planets are in the Solar system ?	What is the name of the closest planet to the Sun ?	What is the name of the smallest planet in the Solar system ?	What is the name of the second closest planet to the Sun ?
ANSWER: Eight	*ANSWER: Mercury*	*ANSWER: Mercury*	*ANSWER: Venus*

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Is there air (atmosphere) on Mercury ?

ANSWER: No

What is the name of this planet ?

ANSWER: Mercury

What are the names of the two planets close to the Earth ?

ANSWER: Venus and Mars

Shepherd's star is not a star. Which planet it is ?

ANSWER: Venus

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What are the names of the telluric planets of the Solar system ? Telluric means that they are mainly made of rocks.

ANSWER: The telluric planets (that are mainly made of rocks) are the four planets closer to the Sun, from the closer: Mercury, Venus, Earth, and Mars
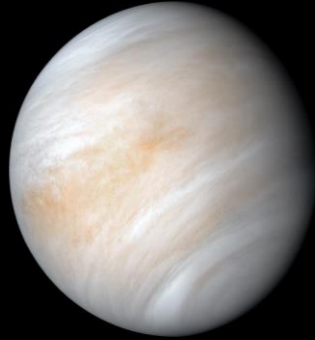
What is the name of this plane t?

ANSWER: Venus

Which planet is also called the Red planet ?
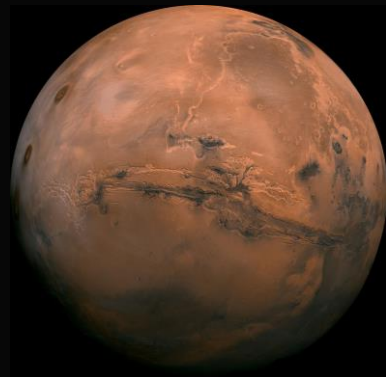
ANSWER: Mars

What is the colour of Mars ?

ANSWER: Red, because the rocks on Mars are red due to the iron

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On which planet we can find the highest mountain of the Solar system ?

ANSWER: The Mount Olympus is 25 km high and it is on Mars

What is the name of this planet ?

ANSWER: Mars

What are the names of the four gaseous planets of the Solar system ?

ANSWER: Jupiter, Saturn, Uranus and Neptune

How many telluric planets are there in the Solar system ?

ANSWER: There are four telluric planets in the Solar system

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How many gaseous planets are there in the Solar system ?			
ANSWER: There are four gaseous planets	What is the name of this planet ?	What is the name of this planet ?	What is the name of this planet ?
	ANSWER: Jupiter	ANSWER: Saturn	ANSWER: Neprune
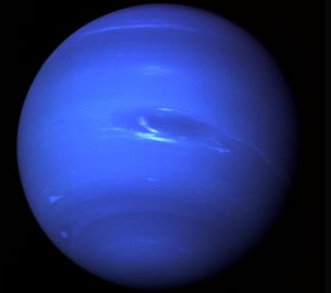
What is the main colour of Neptune ?

ANSWER: Blue

What is the name of this planet ?

ANSWER: Uranus

What is the main colour of Uranus ?

ANSWER: Blue

Which planet of the Solar System is famous for its ring ?

ANSWER: Saturn

How many planets of the Solar System have rings ?	Which planet of the Solar system is famous for its red spot ?	What is the red spot on Jupiter ?	Is the temperature on Venus hotter than in an oven ?
ANSWER: Four. The four gaseous planets Jupiter, Saturn, Uranus and Neptune have rings	*ANSWER: Jupiter has been harboring a red spot for hundreds of years. It is a big storm*	*ANSWER: The red spot on the surface of Jupiter is a big storm that has existed for hundreds of years !*	*ANSWER: Yes. The temperature on Venus is around 460 degree celsius. A regular oven is twice less (230 deg.Celcius)*

Are there clouds on Mercury ?	Are there clouds on Venus ?	Is there wind on Venus ?	What is the name of the fourth planet from the Sun ?
ANSWER: No. There is no atmosphere on Mercury, hence no clouds or winds	ANSWER: Yes. Venus is covered by thick clouds with strong storms	ANSWER: Yes. Venus has very strong winds and storms on its surface	ANSWER: Mars is the fourth planet from the Sun

What are the five planets visible by eye in the sky ? *ANSWER: Mercury, Venus, Mars, Jupiter and Saturn*	Which planet was discovered by calculation ? *ANSWER: Neptune, the farthest planet from the sun. The previous planet, Uranus, was moving strangely. It was then deduced by calculation that another planet was disturbing it. By the calculation, scientists showed where to point the telescope and the last planet called Neptune was there*	What are the rings of Saturn made of ? *ANSWER: They are made of dust and ices*	Is there sound in space ? *ANSWER: No. The space between stars is mainly empty. There is no air, hence the sound cannot propagate*
3	**3**	**3**	**3**

What is the name we give to the Galaxy we live in ?
 	
ANSWER: We named our Galaxy the Milky Way
	What is the name given to the birth of the Universe ?
	
	ANSWER: The Big Bang
		Do we know about extraterrestrial life ?
		
		ANSWER: No
			How many galaxies can we observe ?
			    a. none except ours
			    b. a dozen
			    c. thousands of them
			
			ANSWER: c. thousands of galaxies are visible in the sky - but you need a good telescope to see them

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What is the reddest star of the Solar system ? *ANSWER: Mars*	Which planets in the solar system have the most moons? a. Earth b. Mars c. Jupiter *ANSWER: Jupiter has 64 moons, just before Saturn and its 60 Moons*	In the empty space, could we hear someone singing ? *ANSWER: No, without air, it is not possible for the sound to propagate*	What is the name given by scientists to explain the beginning of our Universe ? a. The Big beginning b. The Big Bang c. The explosion *ANSWER: The Big Bang*

Are there aliens on Earth ? *ANSWER: No. Scientists have never observed spaceships or aliens*	How is called an area in space where all matter and light is attracted by the force of gravity ? a. A big hole b. a light hole c. a black hole *ANSWER: A black hole*	At the end of its life, a massive star explodes. How is this explosion named ? a. a Supernovae b. a Dead star c. a super explosion *ANSWER: A supernovae*	At the end of its life (in 5 billion years), the Sun, as a lighter star, will inflate. How is this called ? a. a big star b. a red giant star c. a swollen star *ANSWER: A red giant star, as the star becomes red, very very big and hence very luminous*

Is the planet Neptune bigger than Earth ? Yes or No ?

ANSWER: Yes, Neptune is 4 times bigger than Earth

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