

1. Short answer questions:

- i. Define space. Where in the Earth's atmosphere does it begin? Space is the area beyond the Earth's atmosphere and between the planets and other celestial bodies. It is considered to begin at the Karman line, approximately 62 miles above sea level.
- ii. Differentiate between natural and artificial satellites. What is the natural satellite of Earth called?

Natural satellites are objects that naturally orbit a planet. While artificial satellites are man-made objects intentionally placed in orbit around a celestial body. Earth's natural satellite is called the Moon.

iii. What are asteroids?

Asteroids are rocky objects that can be found in space, mostly between the orbits of Mars and Jupiter in our solar system. They are smaller than planets and are also called minor planets.

iv. What are space probes?

Space probes are special machines sent into space to explore and gather information about planets, moons, and other objects in our solar system

v. Which planet has fourteen moons?

Neptune has fourteen moons.



2. Long Questions

i. How satellites are helpful for us?

Satellites help us in many ways:

• Communication:

They allow us to use phones, watch TV, and use the internet.

• Weather Monitoring:

Satellites help predict and track weather patterns.

• Navigation:

They guide GPS systems to help us find our way.

• Earth observation:

They explore space and provide valuable information about planets and stars.

ii. What are planets?

Planets are large objects that orbit, or go around, stars. Our star is the Sun, and there are eight planets in our solar system. Here are the names of the planets in order from the Sun.

- Mercury
- Venus
- Earth
- Mars
- Jupiter
- Saturn
- Uranus
- Neptune



Science

3. Choose the correct answer

i.	What is the moo	n		
a)	A planet	b) An asteroid	c) A satellite	d) A star
ii.	Which of the foll	owing plants has 82 n	noons	
a)	Mercury	b) Mars	c) Uranus	d) Saturn
iii.	How many moon	s does Venus have?		
a)	6	b) 7	c) 0	d) 10
iv.	When did Valent	ina Tereshkova travel	into space?	
a)	1920	b) 1961	c) 1963	d) 1969
v.	In which year wa	s Sputnik 1 launched	?	
a)	1957	b) 1975	c) 1954	d) 1960

4. Fill in the blanks

- i. The moon is the natural satellite of Earth.
- ii. The light we see on the moon is reflected sunlight.
- iii. Saturn has **82** moons. The asteroids are to be found between the orbits of Mars and Jupitar.
- iv. Space probes travel into space and send back information and photographs back to Earth.
- v. Long ago, humans used the position of stars to find their way.Today we can use GPS.

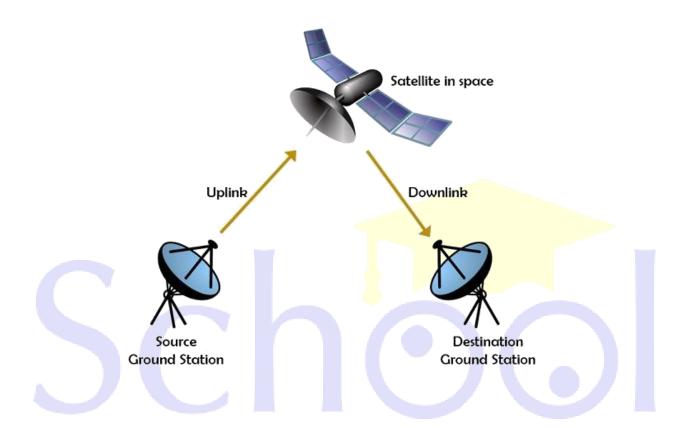


Answer key: Space and Satellites

Science

5. Label the following diagram:

6. Label the following diagram:

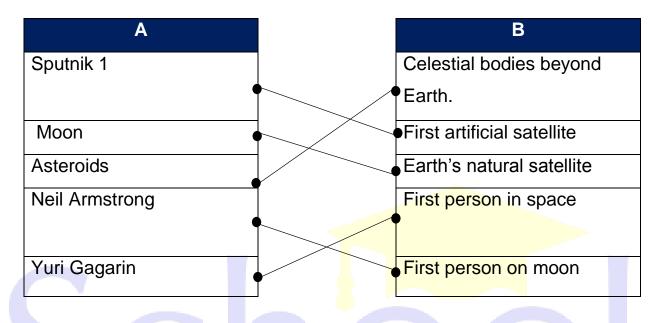


7. True/False

i.	Small rocky bodies that orbit the sun are called minor	Т
	planets.	
ii.	Earth has no natural satellite.	F
iii.	Jupiter has 79 moons	Т
iv.	Yuri Gagarin, from the Soviet Union, orbited the moon in a	F
	space rocket.	
۷.	Geostationary satellites stay at one point above the Earth.	Т



8. Match the statements



9. Jumbled words.

Arranged words	Jumbled words				
Astronaut	nauttroas				
Sattellite	llitesatte				
Geostationary	narytatiogeos				
Celestial	tiallesce				
Administration	tiontranisadmi				





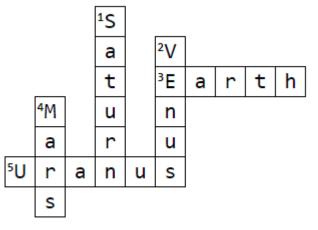
Science

10. Word Search

Plan	ets		C	Gravi	ty		Or	bits		Merc	ury	E	xploi	re	
L	Α	R	G	E	I	Ν	Т	Е	S	Т	Ι	Ν	Е	V]

Q	Ρ	С	Q	L	Y	I	F	L	А	G	Ρ	0	L	Е
V	F	Μ	Е	R	С	U	R	Y	Н	Ρ	W	Y	Q	А
Т	В	R	Х	Р	А	Ν	С	R	Е	R	S	Т	J	L
М	А	Q	Ρ	Е	0	0	S	E	R	Е	В	D	G	
0	G	0	L	S	Т	R	М	A	C	С	I	Ι	R	М
U	Z	Н	0	А	Т	В	R	A	Т	L	0	Ν	А	Е
Т	Y	G	R	А	V	I	Т	Y	Т	Р	Ρ	E	V	Ν
н	I	D	Е	А	Ν	Т	Е	J	T	I	U	S	T	Т
Ρ	L	А	Ν	Е	Т	S	U	L	L	Т	Т	T	Т	Α
I.	S	А	J	G	L	А	Ν	D	S	А	L	L	Y	R
L	Р	Т	C	Y	A	Ρ	Ρ	E	Ν	Т	Ι	Х	4	Y
С	0	L	L	7	S	I	0	Ν	F	E	U	Е	S	K
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11. Cross words





Answer key: Space and Satellites

Across	Down
3. 1 Moon	1.82 Moons
5. 27 Moons	2. 0 Moon
	4. 2 Moons

12. Drag and drop

Mercury	Jupiter	Mars	Neptune	Earth

Method	Use
Mercury	Smallest plant
Jupiter	Largest planet
Mars	Red planet
Neptune	Strong winds
Earths	Support life



Answer key: Space and Satellites

13. Comprehension



The solar system is like a giant family of celestial objects that includes the Sun, planets, moons, and other space things. At the center is the Sun, a super bright star that gives us light and warmth. Going around the Sun are eight planets, and Earth is one of them – it's our cozy home! Some planets like Jupiter and Saturn are made up of gas. While others, like Mercury and Mars, are rocky. Moons are like little buddies that orbit planets. Our Moon hangs out with Earth, lighting up the night sky. Besides planets, there are asteroids, which are like space rocks, and comets, which are icy visitors from far away.

i. What is Solar System?

The solar system is like a giant family of celestial objects that includes the Sun, planets, moons, and other space things

i. What other things are present in Solar system besides planets? Besides planets, there are asteroids, which are like space rocks, and comets, which are icy visitors from far away.

ii. Which two planets are made up of gas?

Some planets like Jupiter and Saturn are made up of gas.