



NOMBRE:	Biology & Geology	FALTAS	NOTA
APELLIDOS:	CURSO: 1º ESO	Nº:	
1st Term Exam	FECHA: 2.11.2022	P:	

Observaciones:

1. Select the objects that make up our solar system:

Stars	Galaxies	Astronomical Unit
Rocky planets	Gaseous planets	Dwarf planets
The Sun	Satellites	Nebulae
Comets	Asteroids	Universe

2. Match each word with its definition:

Year	Light-year	Rotation	Astronomical Unit	Revolution	Day
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	The distance from the Earth to the Sun
	The time that takes the Earth to revolve around the Sun
	The movement of a planet around its own axis
	The movement of a planet around the Sun
	The distance that light travels in one year
	The time that takes the Earth to do the rotation movement

3. Complete these statements:

- According to the geocentric theory, the _____ was at the _____ of the universe.
- According to the heliocentric theory, the _____ was at the center of the universe and the _____ revolves around it.

4. Check the main characteristics that make the Earth a habitable planet:

There is liquid water	It is very big
It is a rocky planet	It is the third planet in the Solar System
It has extreme low temperatures	Its atmosphere has oxygen and carbon dioxide
The atmosphere is rich in nitrogen	It has mild average surface temperatures
The solar radiation gives us light and heat	We are aliens

5. Complete the following sentences:

- a. A _____ is a natural object, such as the Moon, that moves around a _____.
- b. An asteroid is a small rocky body orbiting around the _____.
- c. When comets travel next to _____, ice melts creating a long and bright _____.
- d. Our _____ consists of the eight planets and their moons in orbit around the Sun, plus smaller bodies such as _____ and asteroids.
- e. Except for Pluto, the _____ of all planets around the Sun is more or less on the same _____.

6. True or false?

- a. A satellite is a natural object that moves around a star. TRUE FALSE
- b. The time that a planet takes to orbit the sun is called a year. TRUE FALSE
- c. The time that a planet takes to rotate on its own axis is called rotation. TRUE FALSE
- d. The orbit of planets around the sun is called revolution. TRUE FALSE

7. This theory says that the Earth is at the center of the Universe and everything revolves around it

Big Bang theory
Geocentric theory
Heliocentric theory
Universe theory

8. Which is the phase of the moon where we can see the right side of the Moon?

New moon
First quarter
Last quarter
Full moon

9. The most accepted theory about the origin of the Universe is the...

Geocentric theory
Big Bang theory
Heliocentric theory
Universe theory

10. Mars is not a habitable planet because...

It is too far from the Sun
Its atmosphere is made up by Carbon Dioxide
There is liquid water
It has two satellites: Phobos and Deimos

11. Which is the sixth planet in the Solar System?

Venus
Jupiter
Uranus
Saturn

12. Which planet is bigger?

Mercury
The Moon
Venus
Pluto

13. Which is the movement of the Earth around the Sun?

Ecliptic
Revolution
Rotation
Translation

14. How many planets do we have in the Solar System?

7
10
9
8

15. What does the revolution movement cause?

The Seasons
Gravitational forces
Day and night
Earthquakes

16. What's the name of our galaxy?

The Universe
The Earth
The Solar System
The Milky Way

17. Which is the movement of a planet around its own axis?

Ecliptic
Revolution
Rotation
Translation

18. Which of the following words is not a celestial body?

Planet
Star
Tide
Comet

19. Jupiter...

Is a gas giant planet
Is a rocky planet
Has no satellites
Is a dwarf giant

20. Select the WRONG option about comets:

We can see a tail formed of melted water
They are made of rock and ice
They are made of rock and fire
Its ice melts when it comes near to the Sun

21. A light-year is a unit of...

Distance
Time
Universe
Kilometres

22. The seasons are NOT caused by:

The revolution movement
The rotation movement
The tilt of the Earth's axis
The tilt remains constant

23. The heliocentric theory...

Is TRUE because the Sun is at the center of the Solar System
It was proposed before the geocentric theory
Says that the Sun is at the center of the Universe
It was proposed by Aristotle

24. About the Universe...

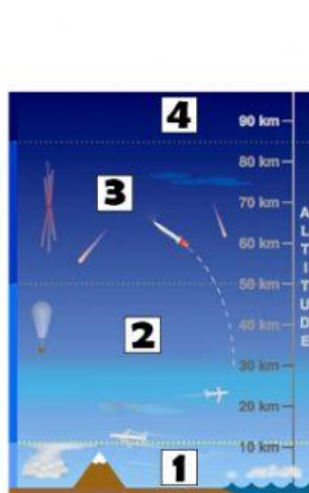
Everything revolves around the Earth
Everything revolves around the Milky Way
Everything revolves around the Sun
We don't know where the center of the Universe is

25. Why do we always see the same side of the Moon?

Because of the gravity between the Moon and the Sun
Because the rotation period is the same as the revolution period of the Moon
Because lunar phases make us see the same side always
We only see the same side when it is Full Moon and the rest of the days we see other sides.

26. Drag and drop the name of each atmospheric layer and their main features:

Mesosphere	Stratosphere	Is where most meteors burn up	Reflects TV and radio waves to the Earth.
Troposphere	Thermosphere	Meteorological phenomena takes place here.	Contains the ozone layer that protects us from harmful solar radiation



<u>Name</u>
4.
3.
2.
1.

<u>Feature</u>

27. Which is the gas that is in the highest proportion in the atmosphere?

Nitrogen
Oxygen
Carbon dioxide
Ozone

28. Where can we find the ozone layer?

Troposphere
Mesosphere
Stratosphere
Ionosphere

29. Which gas is responsible of the Greenhouse effect?

Ozone
Greenhouse gas
Carbon dioxide
Nitrogen

30. The air...

Is another way of saying oxygen
Is a mixture of gasses.
Is all the water on the Earth's surface
We cannot touch it

31. Carbon dioxide is necessary for...

Photosynthesis
Ozone layer
Respiration
Combustions

32. About the greenhouse effect:

Is the reason why we have mild average surface temperatures
We have extreme low temperatures at night
Is bad for living beings
It's a lie that politicians makes us believe.

33. About the greenhouse effect:

An increase in the amount of carbon dioxide would decrease the Earth's surface temperatures.
Nitrogen is the main gas responsible of the greenhouse effect
Ozone protects us from harmful ultraviolet radiation
Carbon dioxide reflects part of infrared solar radiation