4th Term QOD’s

#1

Which is characteristic that the Earth and the Moon have in common?

1. Thunderstorms
2. Seas
3. Atmosphere
4. Craters

Answer:

#2.

The distance from Earth to the Sun represents one astronomical unit (1au). Which planets are less than one astronomical unit from the Sun?

Answer:

#3

Which of these places in the solar system MOST likely contains volcanic rocks?

1. The Sun’s core
2. Jupiter’s red spot
3. Saturn’s ring
4. The surface of Mars

#4



What MOST likely caused this structure?

Answer:

#5

Scientists have collected data about many galaxies, including the Milky Way galaxy. What makes the Milky Way galaxy difficult to observe from Earth?

Answer:

#6

An object has passed near Earth many times on a cycle that repeats about every 75 years. Which statement BEST describes this object?

1. It is classified as a small moon of Earth due to its frequent return orbit
2. It is one of several comets in the solar system that orbit the Sun
3. It is an asteroid since it spends part of its time between Mars and Jupiter
4. It is considered part of a dwarf subsystem with Pluto and Ceres.

Answer:

#7

Some physical characteristics of the Sun are listed below.

The Sun

* Medium-sized star
* 110 times the size of the Earth
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which characteristic accurately completes the list?

1. Many Craters
2. Rocky core
3. Gas atmosphere
4. Liquid Water

Answer:

#8

Mrs. Henry’s class studied the arrangements of planets in the solar system. Which planets are closest to each other?

Answer:

#9

Use the diagram to answer the question that follows.



What will an observer on Earth see when Earth’s orbit crosses the path of the space debris?

Answer:

#10

The planets below are drawn to scale



Which planet could be Planet X?

Answer:

#11

This diagram illustrates Jupiter as it orbits Position X



What is located at Position X?

Answer:

#12

Ling was studying the relative sizes of the planets. He made this table that shows the diameter of the four planets closest to the Sun.



Which two planets are closest in size?

Answer:

#13

Look at the data table below.



Which planet is about 10 times larger than Mercury?

Answer:

#14

What physical feature exists BOTH on Earth and on the Moon?

Answer:

#15

While looking through a telescope, an astronomer views an object that is moving and appears to have a tail. The astronomer states that the tail is caused by evaporation. What s the astronomer MOST likely observing?

Answer:

#16

Look at the data table below.



How do the gas giants compare to the terrestrial planets?

1. Gas giants are slightly smaller
2. Gas giants are slightly larger
3. Terrestrial plants are much smaller
4. Terrestrial planets are much larger

Answer:

#17

The table lists some characteristics of an object in the solar system.



Which object BEST fits the characteristics described in this table?

1. Meteorite
2. Asteroid
3. Moon
4. Comet

Answer:

#18

A student is using foam balls of different sizes to represent the Sun and Earth in a model.



In comparison to the foam ball used to represent the Sun, which ball will BEST represent Earth?

Answer:

#19

Miranda found a table about some planets in her science book.



Which planet has a day that is longer than its year?

Answer:

#20

Students want to build a model of the solar system. They find the table below in a textbook.



Which column of the table provides the BEST information to help the students properly space the planets from each other in their model?

Answer:

#21

Which statement describes asteroids and comets?

1. Asteroids are gaseous, and comets are solid
2. Bothe asteroids and comets are gaseous
3. Both asteroids and comets are solids
4. Asteroids are solid and comets are gaseous

Answer:

#22

Leslie draws a picture of the Sun and Earth. Her teacher tells her the size of Earth compared to the Sun is not correct.



How should Leslie change the picture to show the correct size of Earth and the Sun in comparison to each other?

Answer:

#23

Each of the planets in the solar system orbits at a different average distance from the Sun.



Based on the distance from the Sun, which planet has the shortest year?

Answer:

#24

Use the chart to answer the question that follows.



Which unit of measurement would be appropriate for the numbers in the chart?

1. Cm
2. Degrees
3. Light-years
4. 

#25

What causes a meteoroid to glow as it falls through the atmosphere of Earth?

Answer:

#26

Dr. Sanchez is an astronomer who works a an observatory. He studies many objects in the solar system. Through observation, he can identify and describe the characteristics of objects he studies. The table show some of the characteristics he is able to observe.



Which characteristics could he use to identify and asteroid?

Answer:

#27

The drawing represents some planets at various distances from a star.



Which pf the planets will take the shortest time to orbit the star?

Answer:

#28

What is the MOST likely result of small meteoroids entering the atmosphere of Earth?

Answer:

#29

When scientists identify possible impact sites of Meteoroids that have entered Earth’s atmosphere and reached the ground, what will they find?

Answer:

#30

The graph below shows the diameter of the planets. The diameter of a planet is the distance from one side to the other through the middle at the widest part.



Which two planets are closest in size?

Answer: