AstroWikipSolSys1

The LaTex code that creates this quiz is released to the Public Domain
Attribution for each question is documented in the Appendix

Saturday 3rd November, 2018

Latex markup at
https://en.wikiversity.org/wiki/special:permalink/1863371

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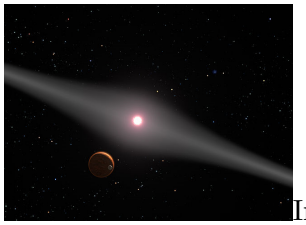
Contents

1 Quiz

1. Very far from the sun, the heliosphere[1]
    A. becomes the magnetosphere
    B. reverses direction
    C. becomes weaker than the interstellar wind
    D. spins in the opposite direction
    E. never ends

2. According to Wikipedia, if all the mass of the asteroid belt were combined to one object, it's mass would _____ times less than Earth's mass.[2]
    A. 1
    B. 10
    C. 100
    D. 1,000
    E. 10,000

3.  In this hypothetical image of a sun-like star we see a bright band of dust that we on Earth call zodiacal light. It is due to sunlight reflecting off dust in the[3]
    A. magnetic sun's magnetic field
    B. Oort Cloude
    C. Kuiper belt
    D. Van Allen belt
    E. ecliptic plane

4. In planetary science, the frost line refers to a distance away from [4]
    A. the star in the middle
    B. the north pole of a planet
    C. the south pole of a planet
    D. either pole of a planet
    E. ecliptic plane

5. Oort's cloud was hypothesized to explain the source of [5]
    A. planets
    B. asteroids
    C. comets
    D. water inside the frost line
    E. water outside the frost line

6. According to Wikipedia _____ and _____ are referred to as volatiles. [6]
    A. electrons and protons

B. ices and gasses

C. acids and bases

D. planets and moons

E. asteroids and terrestrial planets

7. Which of the following list is properly ranked, starting with objects closest to the Sun?[7]

A. Kuiper belt, Oort's cloud, Asteroid belt

B. Oort's cloud, Asteroid belt, Kuiper belt

C. Asteroid belt, Kuiper belt, Oort's cloud

D. Asteroid belt, Oort's cloud, Kuiper belt

E. Kuiper belt, Asteroid belt, Oort's cloud

8. When the sun turns into a red giant, [8]

A. surface temperature decreases; energy output increases

B. surface temperature increases; energy output increases

C. surface temperature decreases; energy output decreases

D. surface temperature increases; energy output decreases

E. The sun will not turn into a red giant

9. A volatile is a substance that[9]

A. reacts violently with acids

B. reacts violently with water

C. reacts violently with oxygen

D. melts or evaporates at high temperature

E. melts or evaporates at low temperature

10. All planets lie within a nearly flat disc called the _____ plane[10]

A. interstellar

B. retrograde

C. ecliptic

D. angular

E. fissile

11. The AU is[11]

A. a measure of the brightness of a planet

B. the size of Oort's cloud

C. the most distant Kuiper object from the Sun

D. the distance from Earth to the Moon

E. the distance from the Sun to Earth

12. The Sun and Earth are about[12]

A. 5 million years old

B. 50 million years old

C. 500 million years old

D. 5 billion years old

E. 50 billion years old

13. The universe is about[13]

A. 15 million years old

B. 150 million years old

C. 1.5 billion years old

D. 15 billion years old

E. 150 billion years old

14. Roughly how much bigger is a gas planet than a terrestrial planet?[14]

A. 3

B. 10

C. 30

D. 100

E. 300

15. Roughly how much bigger is a the Sun than a gas planet?[15]

A. 3

B. 10

C. 30

D. 100

E. 300

2 Attribution

Notes

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