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| Answer each question to prepare for your test. |

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| 1. Why might we need to show the inner planets with a cut-out portion?

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| 2. What is the basic shape of every planet’s orbit?

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| 3. What causes planets and other space objects to revolve around the Sun rather than going off in a straight line as indicated by the solid arrow in the picture below?

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| 4. What are the inner planets? Outer planets?

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| 5. Name some traits of the inner planets |

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| 6. What two gases make up most of the outer planets? |

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| 7. On Earth, hydrogen and helium are naturally found as gases. Why are they liquid on the outer planets?

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|   | a.  | the temperature due to the distance from the Sun |
|   | b.  | the pressure from the gravitational forces of the massive planets |
|   | c.  | the distance from the Sun |
|   | d.  | Both a and b |

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| 8. What are the traits of the outer planets? |

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| Define the following terms (you need to know the difference between all of them)Meteoroid-Asteroid-Meteorite-Meteor- |

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| 11. \_\_\_\_\_ are patterns of stars in the sky. |

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| 12. Its \_\_\_\_\_ makes Sirius the brightest star in the night sky.

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|   | a.  | apparent magnitude | b.  | parallax |
|   | c.  | color | d.  | absolute magnitude |

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| *Define each form of measurement:*

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| a.  | apparent magnitude |
| b.  | astronomical unit |
| c.  | light-year |
| d.  | Luminosity |

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| *Indicate the answer choice that best completes the statement or answers the question.* |

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| 13. Which best describes the location of our solar system?

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|   | a.  | in a galaxy called the Local Group, which is part of a cluster of galaxies called the Milky Way |
|   | b.  | in a galaxy called the Milky Way, which is part of a cluster of galaxies called the Local Group |
|   | c.  | in a galaxy called the Milky Way, which is not a part of a cluster of galaxies |
|   | d.  | in a galaxy called the Milky Way, which is part of a cluster of galaxies called the Virgo Cluster |

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| 14. Describe each type of galaxy. SpiralEllipticalIrregular  |

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| 15. All of the following are true of the Milky Way EXCEPT that it \_\_\_\_\_.

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|   | a.  | is a spiral galaxy | b.  | has more than 800 billion stars |
|   | c.  | is a member of the Local Group | d.  | is 100,000 light-years across |

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| 16. Define Galaxy |