

## ANSWER KEY

### ASTRONOMY – STUDY GUIDE

#### PART A: THE SOLAR SYSTEM

Name the 4 Inner/Terrestrial Planets: **MERCURY, VENUS, EARTH, MARS**

Name the 4 Outer/Jovian Planets: **JUPITER, SATURN, URANUS, NEPTUNE**

Write the name of the planet (or dwarf planet) that correctly completes each statement on the line at the left.

**VENUS** 1. Because of similar size / mass, \_\_\_\_\_ is called Earth's "sister planet".

**MERCURY** 2. \_\_\_\_\_ has a surface that is heavily cratered like the moon.

**SATURN** 3. The planet with the most visible ring system is \_\_\_\_\_.

**VENUS** 4. A planet that is very hot because of the greenhouse effect is \_\_\_\_\_.

**MARS** 5. \_\_\_\_\_ is covered in red sand because of the rust in the soil.

**MERCURY** 6. The planet that travels around the sun the fastest in 88 days is \_\_\_\_\_.

**JUPITER** 7. The Great Red Spot is a continuous storm found on \_\_\_\_\_.

**PLUTO** 8. \_\_\_\_\_ could also be called a Kuiper Belt Object.

**MARS** 9. The largest known volcano in the solar system is an extinct volcano, known as Olympus Mons, found on the planet \_\_\_\_\_.

**URANUS** 10. \_\_\_\_\_'s axis of rotation is unusual because it is tipped over so it spins on its side.

Use the terms following terms to complete each sentence: **ASTEROIDS, METEORS, METEORITES, or METEOROIDS**

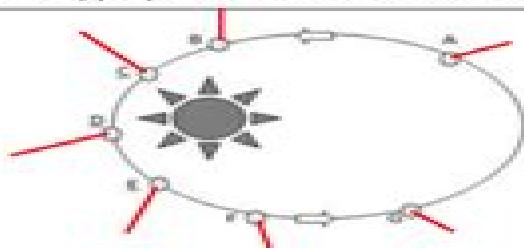
**ASTEROIDS** 11. Most \_\_\_\_\_ orbit the sun and lie between Mars and Jupiter.

**METEOROIDS** 12. The leftover debris of a comet are called \_\_\_\_\_ which are small rocks in space.

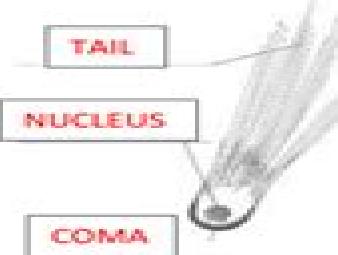
**METEORITES** 13. Pieces of space rock that actually hit Earth's surface are called \_\_\_\_\_.

**METEORS** 14. More commonly known as "shooting stars" \_\_\_\_\_ are small pieces of rock that burn up after entering the earth's atmosphere.

Sketch the comet's tail from the nucleus at positions A, B, C, D, E, F, & G in the appropriate direction in relation to the sun.



Label the parts of a comet.



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**Arshad Iqbal**

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**Earth Science**, 2002-01-02 **Energy Research Abstracts**, 1977 Semiannual with semiannual and annual indexes References to all scientific and technical literature coming from DOE its laboratories energy centers and contractors Includes all works deriving from DOE other related government sponsored information and foreign nonnuclear information Arranged under 39 categories e.g. Biomedical sciences basic studies Biomedical sciences applied studies Health and safety and Fusion energy Entry gives bibliographical information and abstract Corporate author subject report number indexes *Catalog of Copyright Entries. Third Series* Library of Congress. Copyright Office, 1967 Includes Part 1 Number 2 Books and Pamphlets Including Serials and Contributions to Periodicals July December Study Guide for Race to Save the Planet Telecourse, 1999 Edition Edward C. Wolf, 1998-06-09 Study Guide for the Annenberg Telecourse Designed to help telecourse students organize and comprehend the material presented on the 10 one hour television programs this Study Guide offers learning objectives exercises activities glossaries references and more for each of the 10 telecourse units In addition this guide presents three additional print only units to complete the course Faculty Guide for Race To Save The Planet Race To Save The Planet Telecourse Videotapes License For information about videos and print materials contact The Annenberg CPB Project P O Box 2284 South Burlington VT 05407 2284 1 800 LEARNER It includes specific learning objectives principle themes reading and writing assignments questions for discussion supplemental readings and a test bank for each lesson For information about licensing the telecourse contact PBS Adult Learning Service 1320 Braddock Place Alexandria VA 22314 1 800 ALS ALS 8 **Ecology**, 1997 *Physical Science Ecology of the Earth* Prentice-Hall Staff, 1993

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