

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.

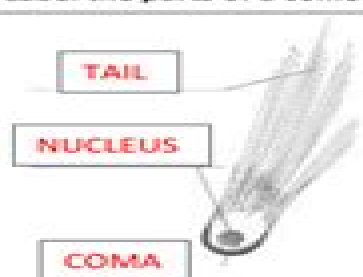
Use the terms following terms to complete each sentence: **ASTEROIDS, METEORS, METEORITES, or METEOROIDS**

- 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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