

THE EARTH AND THE UNIVERSE

Complete the following using the words: year, solar, telescope, hours, gravity, milky, light-year, closer, Neptune, satellites, quickly, galaxies, explosion.

DOWN

1. Our _____ system consists of eight planets orbiting a central star - the Sun.
4. Planets are not all travelling around the sun at the same speed - the planets nearer to the Sun travel more _____.
9. The Universe is made up of many _____, each one containing millions of stars.
13. A _____ is a device used in astronomy to observe the universe.

ACROSS

2. The eight planets (starting from the one nearest to the sun) are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, _____.
3. The _____ a planet is to its sun, the stronger the force of attraction.
5. The Earth is held orbit by the Sun's _____.
6. The time taken for the Earth to orbit the Sun once is one _____.
7. The Earth also rotates on its axis - a full rotation takes 24 _____.
8. _____ are objects that orbit around the Earth.
10. The Sun is one of many millions of stars which form the _____ Way Galaxy.
11. A _____ is a unit of distance used in astronomy and is the distance that light can travel in one year.
12. Astronomers think that the Universe originated in a massive _____, the Big Bang.

