

THE UNIVERSE

Name each planet in the Solar System.



Write T if it's True or F if the statement is False.

1. Only one universe exists.
2. A galaxy is a grouping of a few stars kept together by gravity
3. Our solar system is inside the galaxy known as the Milky Way
4. The Milky Way is classified as an elliptical galaxy
5. Copernicus (1473-1543) first proposed that Earth and the other planets orbit the sun.

Complete the sentences with words from the box.

FASTER SPIRAL	RADIATION MATTER	SINGULARITY DEVELOPED	RED	THE BIG BANG THEORY ELLIPTICAL	BLUE
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- ◆ **Big Bang Theory:** Explains how universe _____ from very tiny, dense " _____ "
- ◆ According to _____, **UNIVERSE** is 13.7 Billion years old
- ◆ The 2 eras of the Big Bang are _____ and _____ eras
- ◆ Stars moving **AWAY** = _____ shift
- ◆ Stars moving **TOWARD** = _____ shift
- ◆ Greater the shift = _____ the speed
- ◆ Galaxies can be _____ or _____

Match Kepler's Laws

FIRST ()	A. Orbits have an elliptical shape.
SECOND ()	B. The orbital period depends on the distance of the planet from the sun.
THIRD ()	C. The closest a planet is from the sun, the fastest it travels its orbit.