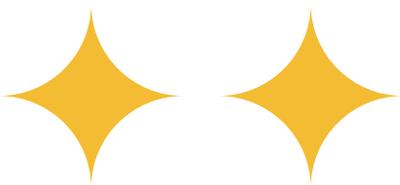




Revision
Guides

Universe Asteroids and Black Holes



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Introduction

As we know now that there are many objects that we know are there in the Universe. The Universe is vast of which our galaxy is only a small part. We have the sun, planets, stars; every planet has a different number of moons, asteroids and meteors.

The universe is more than just stars, dust, and empty space. Explore some of the objects that make up our universe, from our own Sun to distant pulsars and black holes. Active Galaxies. Binary Stars.

Asteroids

An asteroid is a chunk of rock and metal in outer space that is in orbit around the Sun.

Asteroids vary in size from just a few feet across to hundreds of miles in diameter. Most asteroids are not round but are lumpy and shaped like a potato. As they orbit the Sun, they tumble and spin.

These asteroids are called Near-Earth asteroids and they have orbits that cause them to pass close to the Earth. It is estimated that an asteroid larger than 10 feet across strikes the Earth around once a year.

These asteroids usually explode when they hit the Earth's atmosphere and cause little damage on the Earth's surface.

Black Holes

Black holes are one of the most mysterious and powerful forces in the universe. A black hole is where gravity has become so strong that nothing around it can escape, not even light.

The mass of a black hole is so compact, or dense, that the force of gravity is too strong for even light to escape. Black holes are truly invisible. We can't see black holes because they don't reflect light. Scientists know they exist by observing light and objects around black holes.

Strange things happen around black holes to do with quantum physics and space time. This makes them a popular subject of science fiction stories even though they are very real

Interesting Facts

The word asteroid comes from a Greek word meaning "star shaped." The five largest asteroids make up more than 50% of the total mass of the asteroid belt.

Some scientists have theorized that the extinction of the dinosaurs was caused by a large asteroid colliding with the Earth. Black holes can have the mass of several million suns. They don't live forever, but slowly evaporate returning their energy to the universe.

Black holes differ from each other in mass and their spin. Other than that, they are all very similar.



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The Literacy Center is a 501(c)(3) non-profit organization dedicated to improving adult literacy and education, thereby strengthening our community.