Name: Date:

SCIENCE: THE UNIVERSE (IV)

Universe Theory

1. Look and read

What is the universe?

The universe is all the matter and space that exists. It includes many celestial bodies, like galaxies, stars, planets, satellites, comets, asteroids and meteorites.

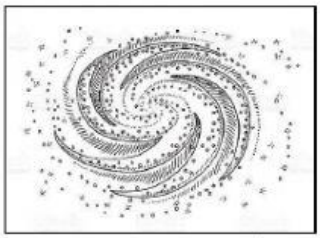
How did the universe begin?



The most famous explanation is the " ". This theory says that all the matter in the universe was once in one place. Then the matter and billions of travelled in all directions. These particles formed the different celestial bodies.

particles - together - exploded - Big Bang Theory

Galaxies



A galaxy is an of stars and other celestial bodies. The universe contains billions of . One of these galaxies is the (*Via làctea*).

galaxies - Milky Way - enormous cloud

Stars

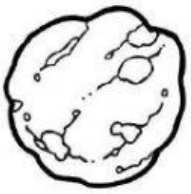


A star is a celestial body with a . It's made of , and it produces enormous quantities of and . One important example is the .

light - gases - heat - Sun - spherical shape

LIVEWORKSHEETS

Asteroids



Asteroids are bodies of . Most of the asteroids in our solar system are part of an " " between and .

rock smaller than planets - Jupiter - asteroid belt - Mars

Comets



Comets are bodies of . They revolve around the Sun in very long orbits. When they come near the Sun, they produce a tail of and . The most famous comet is , we see it from the Earth.

water vapor - bright - Halley's Comet - rock and ice - gas

Meteorites



Meteorites are from asteroids and comets that through space and enter the with a bright tail of .

Earth - light - small pieces of rock - travel

Satellites

Natural satellites are celestial bodies that . One example is that revolves around the Earth.

the moon - the Earth - revolve around planets

LIVEWORKSHEETS

2. Word Search: Circle ○ **.**

asteroid – Big Bang – comet – galaxy – meteorite – star - universe

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LIVEWORKSHEETS