

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?**

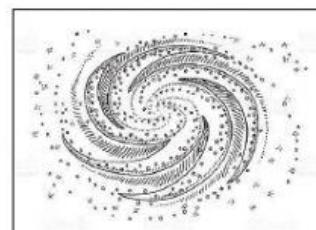
The most famous explanation is the " ". This theory says that all the matter in the universe was once in one place. Then the matter and billions of travelled in all directions. These particles formed the different celestial bodies.



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 lăctea)*.



galaxies - Milky Way - enormous cloud

#### **Stars**

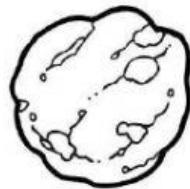
A star is a celestial body with a . It's made of , and it produces enormous quantities of and . One important example is the .



light - gases - heat - Sun - spherical shape

### Asteroids

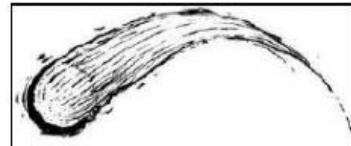
Asteroids are bodies of . Most of the  
asteroids in our solar system are part of an " " between  
and .



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  
travel through space and enter the Earth 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

2. Word Search: Circle .

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

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