

READING-COMPREHENSION

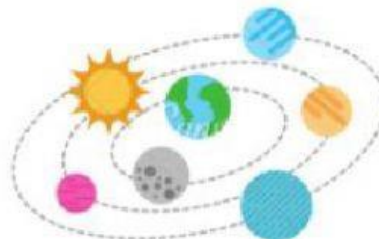
The Universe

The universe is everything that exists. The universe is also called the cosmos and the study of the universe is called cosmology. Everything you see and touch on Earth is part of the universe. All the planets and stars in the sky, the entire solar system, milky way and galaxies are all part of the universe.

Scientists use telescopes and astronauts go on space expeditions to try and discover more about the universe but there is still so much we do not know.

Facts about the universe

- The universe has no centre.
- The universe seems to be cooling and may eventually freeze.
- Big, empty spaces in the universe are called voids.
- Some scientists today think the universe is flat.
- Far away galaxies are constantly moving further away from Earth as the universe expands.



The universe is huge, bigger than a billion Earth's all put together! It's so big that we can't even see it. It's so big it takes light 8 minutes to travel from the Sun to the Earth. Even astronauts that travel to space have only seen a tiny amount of the universe. Planets, stars and galaxies only take up around 5% of space. Most of space is empty, meaning that there are just bits of dust and gas inside of it.



Scientists can only measure the size of the universe based on what they can see. This is called the 'observable universe' and it is about 93 billion light-years wide (light-years are a form of space measurement).

VOCABULARY

EVERYTHING: todo. **CALLED:** llamado/a. **ENTIRE:** entero/a.

EXPEDITIONS: expediciones. **STILL:** aún. **FACTS:** hechos.

(to be) COOLING: enfriándose. **MAY:** puede/podría. **EMPTY:** vacío/vacíos.

FLAT: plano. **FAR AWAY:** lejos/ lejano. **FURTHER AWAY:** más lejos. **HUGE:** inmenso/a.

ALL PUT TOGETHER: todos juntos/ todas juntas. **ONLY:** solamente **TINY AMOUNT:** pequeña porción/parte.

BITS OF DUST: pedacito/ poquito de polvillo **INSIDE OF IT:** dentro de éste/ésta **MEASUREMENT:** medida.

VERBS:

(to) EXIST: existir. **(to) SEE:** ver. **(to) TOUCH:** tocar **(to) DISCOVER:** descubrir.

(to) KNOW: conocer/ saber. **(to) HAVE/(HAS):** tener. **(to) SEEM:** parecer.

(to) THINK: pensar. **(to) TAKE:** tomar(tiempo). **(to) TRAVEL:** viajar. **(to) TAKE UP:** ocupar.

(to) MEASURE: medir.

1) MATCH:

Earth

Stars

Planets

Sky

Milky way

The Sun



2) READ and WRITE **TRUE** or **FALSE**:

- The Universe is all that exists.
- The Earth is not considered a part of the Universe.
- Scientists study the Cosmos with telescopes.
- Astronauts know everything about the Universe.
- The Sun is the centre of the Universe.
- It is becoming colder.
- The space is full of planets everywhere.
- Scientists measure the Universe with special instruments.

3) FIND the definitions in the text:

COSMOLOGY IS

VOIDS ARE

THE OBSERVABLE UNIVERSE IS



4) FILL IN
the
gaps:

EMPTY - THE SUN - HAS NO - SKY - FAR AWAY - 8 MINUTES - 5% - GAS - PLANETS -
SOLAR SYSTEM - THE EARTH - SPACE EXPEDITIONS- THE COSMOS - STARS -
MILKY WAY - BITS OF DUST - FURTHER AWAY - GALAXIES

The Universe is also called

All the and stars in the the entire
..... and galaxies are all part of the Universe.

Astronauts go on to discover more about the Universe.

The Universe centre.

..... galaxies are constantly moving from Earth.

The light needs to travel from to

Planets and occupy only of the
space.

Most of the space is There are only and Inside of it.

