

Life in Our Solar System Note-taking Guide

Earth, oxygen, heat, cold, exhale, gases, planets, Sun, sunlight, greenhouse, ultraviolet, carbon dioxide, two, ozone, clouds, skin cancer, temperature, breathe in, nitrogen, atmosphere

Our solar system is made up of eight _____, comets and asteroids that orbit around the _____.

Current space research indicates that of all the celestial bodies in the solar system only _____ can support life.

Life on Earth would not exist without the Earth's _____.

Earth's atmosphere is a mixture of _____. The mixture of gases called air is uniquely suitable for living things.

The bulk of the atmosphere, 78 percent, is made up of the gas _____ and 21 percent is made up of _____.

The remaining one percent is made up of _____, water vapor, and smaller amounts of a few other gases.

Oxygen is the gas we _____ while carbon dioxide is the gas we _____.

Water vapor is the gas that forms _____ in the sky and eventually falls down to earth as rain.

The oxygen we breathe in the lower part of Earth's atmosphere is made up of _____ oxygen atoms.

But strong ultraviolet radiation high in the atmosphere changes oxygen into _____, a form made up of three oxygen atoms (O_3).

This ozone layer filters and reduces the Sun's harmful _____ rays that reach Earth's surface.

This ozone layer helps to protect humans and other living things from serious health hazards such as _____.

Carbon dioxide and water vapor in our atmosphere help regulate the _____ on Earth just like a greenhouse.

Just like the glass panes of a greenhouse, carbon dioxide and water vapor let the _____ in but do not let all the _____ produced by the sunlight back out again.

This is called the _____ effect, and carbon dioxide and water vapor are known as greenhouse gases.

Without greenhouse gases, the Sun's heat would escape back into space and Earth would become too _____ to support life

*gravitational, water vapor, location, third, light, 71 percent,
mass, glaciers, temperature, water, liquid, photosynthesis*

Earth's _____ in the solar system makes life possible on Earth.

Being the _____ planet from the Sun keeps Earth's _____
from getting too hot or too cold.

Earth's ideal location in the solar system also provides our planet with enough
_____ energy for plants to undergo _____ and make
food.

In the entire solar system, Earth is the only planet where _____ is available in
three states, depending on the temperature.

As a gas, it takes on the form of _____ in the atmosphere.

And as a _____, it is found in lakes, streams, and oceans, and even as rain
falling from the sky.

As a solid, water forms ice caps and _____.

Water is another reason why Earth is able to support life. About
_____ of Earth's surface is covered in water.

Because of its size, Earth's _____ pull is sufficient to hold on
to its atmosphere and all the water.

A planet's gravitational pull depends partly on the _____ of the planet.