

## Inner Planets

### Note-taking Guide - Answer Key

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*temperatures, carbon dioxide, Neptune, volcanoes, rocky, oxygen,  
Mercury, water, Mount Everest, inner, stars, third, surface, Jupiter,  
atmosphere, Mars, flowing water, terrestrial, Venus, life, planets,  
Mount Olympus, second, Earth*

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The eight planets in our Solar System are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune.

The four planets closest to the Sun are called the inner planets.

Mercury is the planet closest to the Sun.

Mercury is a terrestrial planet. That means Mercury has a rocky surface.

Mercury has very little atmosphere because the Sun burned away most of its gases a long time ago.

No other planet has a range of temperatures as extreme as Mercury.

Venus is called the "morning star" even though it is not a star at all.

Stars twinkle while planets do not.

After the Sun and the Moon, Venus is the brightest object that we can see from Earth.

Venus is the second planet from the Sun.

Earth and Venus are often considered sister planets.

Venus is almost the same size as Earth.

Earth and Venus are both terrestrial planets, which means they have rocky surfaces.

We cannot live on Venus because the atmosphere of Venus is made of carbon dioxide.

Venus also has layers of toxic clouds.

With an average temperature of 467 degrees Celsius, Venus is too hot for plants, animals, and human beings.

The third planet from the Sun is our planet Earth.

Just like Mercury and Venus, Earth is an inner planet.

Earth is the only object in the entire solar system that has liquid water.

Also, planet Earth has oxygen along with other gases in its atmosphere.

The presence of water and oxygen on planet Earth supports life.

The fourth planet from the Sun is Mars.

It is the last inner planet in our solar system, and it too has a rocky surface.

Mars has deep canyons and even volcanoes.

The Olympus Mons is the tallest mountain in the whole solar system.

The tallest mountain on the surface of Earth is Mount Everest.

We would have to place about three Mount Everests on top of one another to make one Olympus Mons!

Some features on planet Mars tell us that there could have been flowing water here!