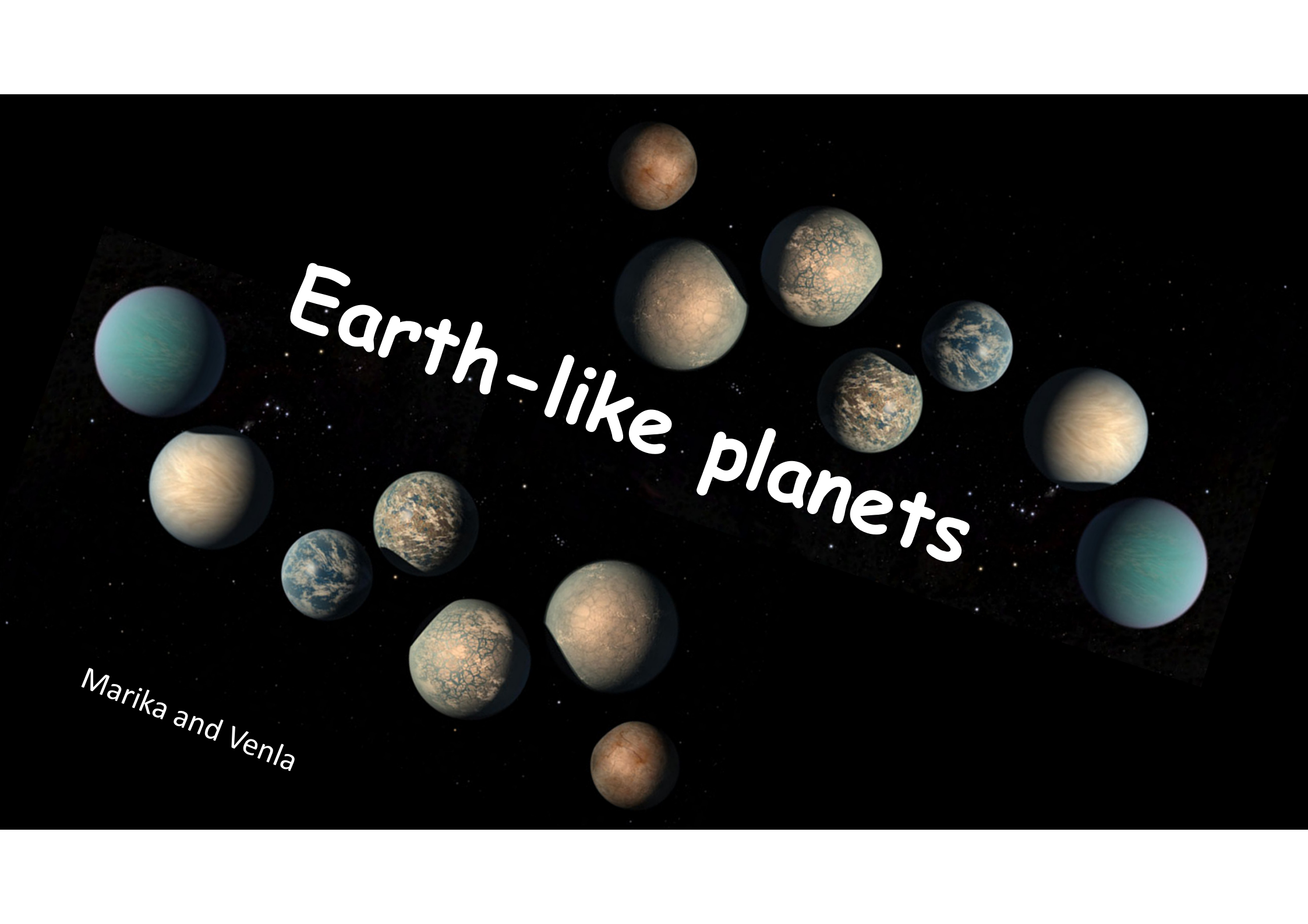




Earth-like planets

Marika and Venla

Terrestrial planets

Terrestrial planet
is a planet that is
made primarily of
silicate rocks or
metals.

Usually a metallic
Core consists
mostly iron and
a silicate mantle

Can have surface structures,
such as canyons and
mountains

Have no rings
and none/few
moons

There are four
terrestrial
planets in our solar
system; Mercury,
Venus, Earth and
Mars



Terrestrial planets in the Solar System

- Mercury is the smallest planet and the only iron planet in the Solar System.
- Venus is almost the same size as Earth and it is a silicate planet. Venus is the hottest planet in the solar system.

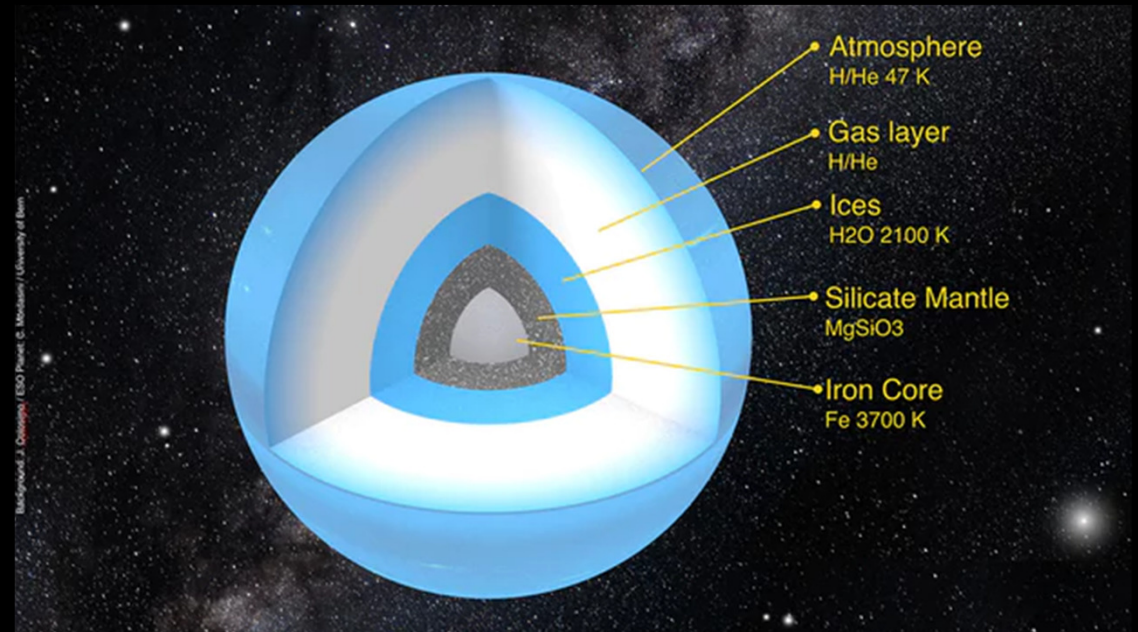


- Earth is the only planet that can support life. The diameter of Earth is about 12 742km.
- Mars is the second smallest planet in the Solar System. Liquid water cannot exist in the surface of Mars but there is a large amount of underground ice in Mars.



Iron

- This type of planet is made mostly of an iron core
- Have a really small mantle



- Smaller and more dense than other types of planets of comparable Mass.
- Mercury is an iron planet

Coreless planet

- There are none in our solar system
- Planet type that has a giant rocky mantle and no metallic core

Probably not good for supporting life, because there are no magnetic fields



Carbon planets

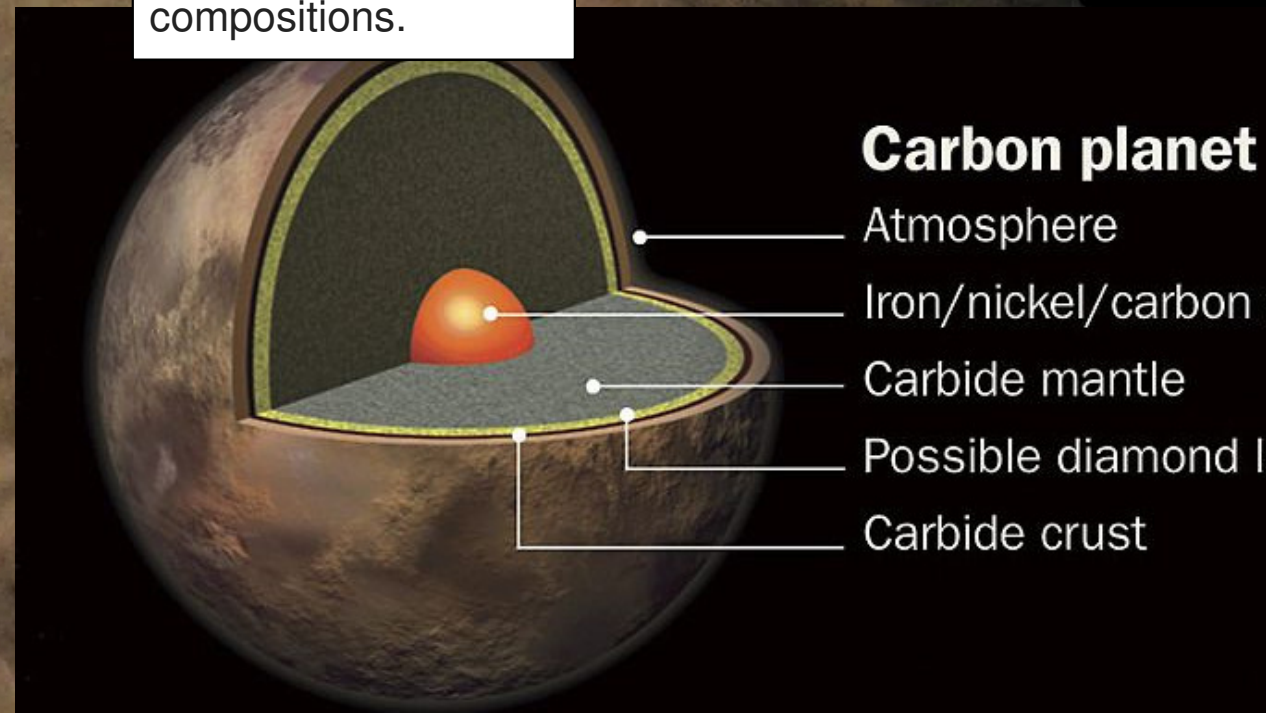
a theoretical type of planet that contains more carbon than oxygen

have an iron- or steel-rich core, surrounded by carbide mantle. Then is the diamond Layer and the atmosphere

will probably be devoid of water

The similarities of geologic features on Earth may also be present, but with different compositions.

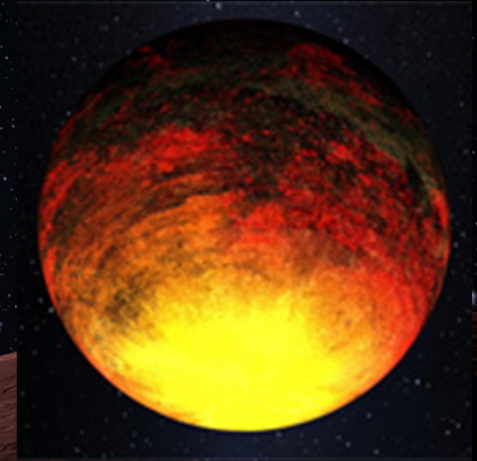
The exoplanet 55 Cancri e is a possible example of a carbon planet.



Extrasolar terrestrial planets

[click this](#)

- Terrestrial planets are smaller than the Solar System's gas giants
- They are rocky and have solid surfaces, unlike the gas giants
- Since 2005 there have been found hundreds of possible extrasolar terrestrial planets
- The first confirmed extrasolar terrestrial planet was found in 2011



Kepler-10b

sources

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