**FACT SHEET**

**Space Presentation Facts**(https://theplanets.org/space-facts/)

1. Venus is the hottest planet in the solar system and has an average surface temperature of around 450° C
2. A full NASA space suit costs a cool $12m, 70% of that cost is for the backpack and control module.
3. **Neutron stars can spin 600 times per second.**Neutron stars are the densest and tiniest stars in the known universe and although they only have a radius of about 10 km (6 mi), they may have a mass of a few times that of [the Sun](https://theplanets.org/the-sun/). They can rotate at up to 60 times per second after they are born from a core-collapse supernova star explosion and have been known to spin as fast as 600-712 times per second because of their physics.

#### The footprints on the Moon will be there for 100 million years. The Moon has no atmosphere, which means there is no wind to erode the surface and no water to wash the footprints away. This means the footprints of the Apollo astronauts, along with spacecraft prints, rover-prints and discarded material, will be there for millions of years.

#### One day on Venus is longer than one year. Venus has a slow axis rotation which takes 243 Earth days to complete its day. The orbit of Venus around the Sun is 225 Earth days, making a year on Venus 18 days less than a day on Venus.

#### If two pieces of the same type of metal touch in space they will permanently bond. This incredible fact is also known as cold welding and it happens because the atoms of two pieces of metal have no way of knowing they are separate. This doesn’t happen on Earth because of the air and water found between the pieces.

#### There is floating water in space. Astronomers have found a massive water vapor cloud which holds 140 trillion times the mass of water in the Earth’s oceans somewhere around 10 billion light years away – making it the largest discovery of water ever found.

#### The largest known asteroid is 965 km (600 mi) wide. Discovered by Italian astronomer Giuseppe Piazzi in 1801, the dwarf planet Ceres was the first, and largest, object to be considered an asteroid. It is located in the Asteroid Belt between the orbits of Mars and Jupiter and accounts for 33% of the entire belt’s mass.

#### The Sun’s mass takes up 99.86% of the solar system. Made of three quarters hydrogen and helium for most of its remaining mass, the Sun accounts for 99.86% of the mass in our solar system with a mass of around 330,000 times that of Earth.

#### There is a volcano on Mars three times the size of Everest. At 600 km wide and 21 km high, Olympus Mons is a volcano on Mars that may still be active, according to scientists. It is the tallest peak of any planet. However, the Rheasilvia central peak on the asteroid Vesta is taller at 22 km.

**Border Crossing Facts**(https://www.nytimes.com/2018/10/26/world/americas/what-is-migrant-caravan-facts-history.html)

* About 5,000-7,000 participants
* Fleeing poverty, unemployment, harsh conditions (go into specifics)
* Men, women and children
* Average travel of 20 miles a day