

# Tau Ceti

**Radius:**

700,000 km (109x Earth's radius)

**Average surface temperature:**

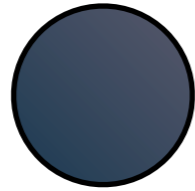
9,000,000° F

**Basic characteristics:**

A star somewhat similar to the Sun, Tau Ceti is about the same size and brightness as the Sun.

**Main elements:**

Hydrogen & Helium



# Boll

**Radius:**

2,400 km (0.38x Earth's radius)

**Distance from Tau Ceti (main star):**

58,000,000 km (about 0.39x that of Earth)

**Average surface temperature:**

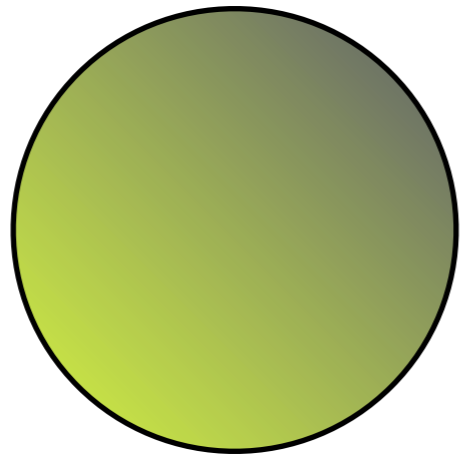
527.1° F

**Basic characteristics:**

Rocky with an iron core. No atmosphere, Heavy cratering on the surface. Has no moons. Boll dominates its orbit.

**Main elements:**

Iron, Magnesium, Nickel, Oxygen, Silicon



# Bender

**Radius:**

6,000 km (0.95x Earth's radius)

**Distance from Tau Ceti (main star):**

108,000,000 km (about 0.73x that of Earth)

**Average surface temperature:**

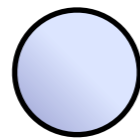
862.3° F

**Basic characteristics:**

Rocky with an iron core. Has an extremely thick atmosphere made mostly of carbon dioxide and methane. This heavy atmosphere traps heat and makes it much hotter than it would be otherwise, There is cratering on the surface. Has no moons. Bender dominates its orbit.

**Main elements:**

Iron, Silicon, Magnesium, Oxygen, Silicon, Carbon



# Belior

**Radius:**

1,700 km (0.27x Earth's radius)

**Distance from Tau Ceti (main star):**

108,000,000 km (about 0.73x that of Earth)

**Average surface temperature:**

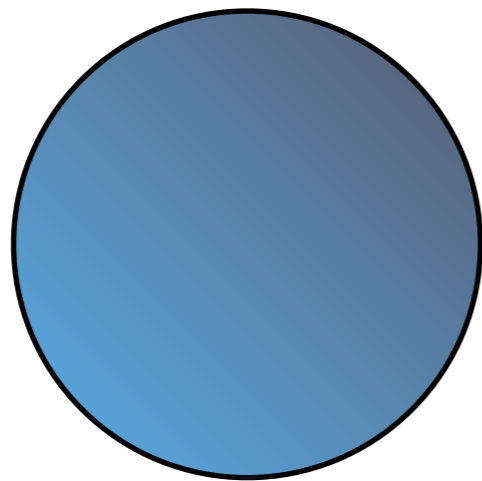
862.3° F

**Basic characteristics:**

Belior orbits the planet Bender. It is rocky with an iron core. Has no atmosphere. There is heavy cratering on the surface.

**Main elements:**

Iron, Silicon, Magnesium, Oxygen, Silicon, Carbon



# Pern

**Radius:**

6,300 km (0.98x Earth's radius)

**Distance from Tau Ceti (main star):**

154,000,000 km (about 1.1x that of Earth)

**Average surface temperature:**

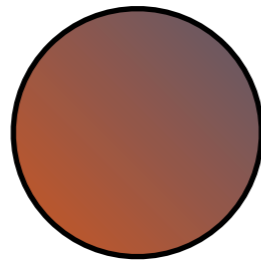
58.2° F

**Basic characteristics:**

Rocky with an iron core. Liquid water is found on the surface in large amounts, though it is unsure if life exists. Has a fairly thick atmosphere. Has one fairly large moon. Pern dominates its orbit.

**Main elements:**

Iron, Oxygen, Silicon, Magnesium, Sulfur, Nickel



# Ruatha

**Radius:**

3,400 km (0.53x Earth's radius)

**Distance from Tau Ceti (main star):**

250,000,000 km (about 1.7x that of Earth)

**Average surface temperature:**

-50.8° F

**Basic characteristics:**

Rocky with an iron core. Very, very thin atmosphere, evidence of cratering on the surface. Has three very small moons. Ruatha dominates its orbit.

**Main elements:**

Iron, Sulfur, Oxygen, Silicon, Magnesium, Nickel

# Crom

## **Radius:**

320 x 267 km (~0.05x Earth's radius)

## **Distance from Tau Ceti (main star):**

400,000,000 km (about 2.7x that of Earth)

## **Average surface temperature:**

-60.8° F

## **Basic characteristics:**

Has a rocky/iron rich core surrounded by a very thin layer of water ice. Orbits in the middle of a belt of asteroids. Crom is too small for gravity to make it round.

## **Main elements:**

Iron, Sulfur, Oxygen, Silicon, Magnesium, Nickel



# Ramoth

**Radius:**

300 x 367 km (~0.06x Earth's radius)

**Distance from Tau Ceti (main star):**

410,000,000 km (about 2.7x that of Earth)

**Average surface temperature:**

-52.8° F

**Basic characteristics:**

Has a rocky/iron rich core surrounded by a very thin layer of water ice. Orbits in the middle of a belt of asteroids. Ramoth is too small for gravity to make it round.

**Main elements:**

Iron, Sulfur, Oxygen, Silicon, Magnesium, Nickel

# Bitra

## **Radius:**

488 km (0.08x Earth's radius)

## **Distance from Tau Ceti (main star):**

414,000,000 km (about 2.55x that of Earth)

## **Average surface temperature:**

-36.4° F

## **Basic characteristics:**

Has a rocky/iron rich core surrounded by a very thin layer of water ice. Orbits in the middle of a belt of asteroids.

## **Main elements on the planet:**

Iron, Magnesium, Silicon, Carbon, Oxygen

# Lemos

**Radius:**

71,500 km (11.2x Earth's radius)

**Distance from Tau Ceti (main star):**

779,000,000 km (about 5.21x that of Earth)

**Average surface temperature:**

-163.4° F

**Basic characteristics:**

Is made of thick layers of gases with no known 'surface.' The atmosphere is very active and colorful. Has several dozen moons. Has large rings around the planet. Lemos dominates its orbit.

**Main elements on the planet:**

Hydrogen and Helium

# Nabol

**Radius:**

60,200 km (9.4x Earth's radius)

**Distance from Tau Ceti (main star):**

1,443,000,000 km (about 9.58x that of Earth)

**Average surface temperature:**

-218.5° F

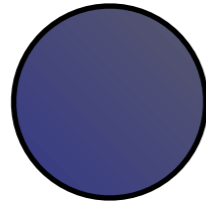
**Basic characteristics:**

Is made of thick layers of gases with no known 'surface.' The atmosphere is very active. Has several dozen moons. Has small rings around the planet. Nabol dominates its orbit.

**Main elements on the planet:**

Hydrogen and Helium

# Timor



**Radius:**

2,600 km (0.41x Earth's radius)

**Distance from Tau Ceti (main star):**

1,443,000,000 km (about 9.58x that of Earth)

**Average surface temperature:**

-219.2° F

**Basic characteristics:**

Timor orbits the planet Nabol. Timor is approximately half rocky and half water and ice.

**Main elements on the planet:**

Iron, Silicon, Oxygen, Magnesium



# Tillek

**Radius:**

25,600 km (4.1x Earth's radius)

**Distance from Tau Ceti (main star):**

2,877,000,000 km (about 19.2x that of Earth)

**Average surface temperature:**

-319.2° F

**Basic characteristics:**

Is made of thick layers of icy gases with no known 'surface.' The atmosphere is mostly hydrogen and helium with some methane. Has just over a dozen moon. Has some fairly large rings around the planet. Tillek dominates its orbit.

**Main elements on the planet:**

Hydrogen, Helium, Carbon



# Keroon

**Radius:**

24,800 km (3.9x Earth's radius)

**Distance from Tau Ceti (main star):**

4,503,000,000 km (about 30.1x that of Earth)

**Average surface temperature:**

-330.1° F

**Basic characteristics:**

Is made of thick layers of icy gases with no known 'surface.' The atmosphere is mostly hydrogen and helium with some methane. It has just under a dozen moons. It has rings around the planet, although they are pretty thin. Keroon dominates its orbit.

**Main elements on the planet:**

Hydrogen, Helium, Carbon

# Golanth

## **Radius:**

1,350 km (0.21x Earth's radius)

## **Distance from Tau Ceti (main star):**

4,503,000,000 km (about 30.1x that of Earth)

## **Average surface temperature:**

-350.1° F

## **Basic characteristics:**

Golanth orbits the planet Keroon. It has a rocky core, with an outer layer of nitrogen, water, and carbon dioxide ices.

## **Main elements on the planet:**

Iron, Nitrogen, Carbon, Hydrogen, Oxygen, Silicon



# Ista

## **Radius:**

1,150 km (0.18x Earth's radius)

## **Distance from Tau Ceti (main star):**

5,906,000,000 km (about 39.5x that of Earth)

## **Average surface temperature:**

-380.5° F

## **Basic characteristics:**

Is made of a rocky core surrounded by layers of water ice and frozen nitrogen. Ista orbits through a cloud of comets called the McOort Cloud. It has one moon that is over half its size.

## **Main elements on the planet:**

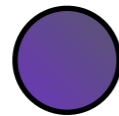
Iron, Magnesium, Silicon, Hydrogen, Oxygen



# Igen

**Radius:**

1,430 km (0.22x Earth's radius)

**Distance from Tau Ceti (main star):**

7,710,00,000,000 km (about 51.5x that of Earth)

**Average surface temperature:**

< -370.3° F

**Basic characteristics:**

Is made of a rocky core surrounded by water and other types of ices. Igen orbits through a cloud of comets called the McOort Cloud. It has two very small moons.

**Main elements on the planet:**

Iron, Silicon, Magnesium, Oxygen

# Nerat

**Radius:**

950 km (0.15x Earth's radius)

**Distance from Tau Ceti (main star):**

7,939,00,000,000 km (about 53.1x that of Earth)

**Average surface temperature:**

< -380° F

**Basic characteristics:**

Is made of a rocky core surrounded by water and other types of ices. Nerat orbits through a cloud of comets called the McOort Cloud. It has no moons.

**Main elements on the planet:**

Iron, Silicon, Magnesium, Oxygen

# Telgar

## **Radius:**

1,300 km (0.21x Earth's radius)



## **Distance from Tau Ceti (main star):**

10,120,00,000,000 km (about 67.8x that of Earth)

## **Average surface temperature:**

-383.2° F

## **Basic characteristics:**

Is made of a rocky core surrounded by water and other types of ices. Nerat orbits through a cloud of comets called the McOort Cloud. It has one small moon.

## **Main elements on the planet:**

Iron, Silicon, Magnesium, Oxygen