Numerical scale model of the solar system 1 : 3 500 000 000

The diameter of the Sun model is 40 cm

|  |  |  |  |
| --- | --- | --- | --- |
| Mercury | Venus | Earth | Mars |
| proportional distancefrom the Sun**16 m** | proportional distancefrom the Sun**31 m** | proportional distancefrom the Sun**42 m** | proportional distancefrom the Sun**65 m** |
| surface temperature between**- 180 + 430 ⁰C** | **100 times more pressure** than on Earth**+ 450 ⁰C** | 1 bar pressure**+ 15 ⁰C on average** | **100000 times less** **pressure** than on Earth**- 32 ⁰C on average** |
| has no atmosphere | composition of the atmosphere**95% CO2**3% N2**SO2**CO, steamnoble gases | composition of the atmosphere78% N2**21% O2**0,04% CO2steamnoble gases | composition of the atmosphere**95% CO2**3% N2CO, steamnoble gases |

|  |  |  |  |
| --- | --- | --- | --- |
| Jupiter | Saturn | Uranus | Neptune |
| proportional distancefrom the Sun**222 m** | proportional distancefrom the Sun**410 m** | proportional distancefrom the Sun**820 m** | proportional distancefrom the Sun**1230 m** |
| surface temperature**- 130 ⁰C** | surface temperature**- 180 ⁰C** | surface temperature**- 210 ⁰C** | surface temperature**- 220 ⁰C** |
| composition of its huge atmosphere**hydrogen, helium** | composition of its huge atmosphere**hydrogen, helium** | composition of its huge atmosphere**hydrogen, helium, methane** | composition of its huge atmosphere**hydrogen, helium, methane** |

Mercury

<https://www.youtube.com/watch?v=0KBjnNuhRHs>

Venus

<https://www.youtube.com/watch?v=BvXa1n9fjow>

Earth

<https://www.youtube.com/watch?v=0Zk1inP2Td4>

Mars

<https://www.youtube.com/watch?v=D8pnmwOXhoY>

Jupiter

<https://www.youtube.com/watch?v=PtkqwslbLY8>

Saturn

<https://www.youtube.com/watch?v=epZdZaEQhS0>

Uranus

<https://www.youtube.com/watch?v=m4NXbFOiOGk>

Neptune

<https://www.youtube.com/watch?v=NStn7zZKXfE>