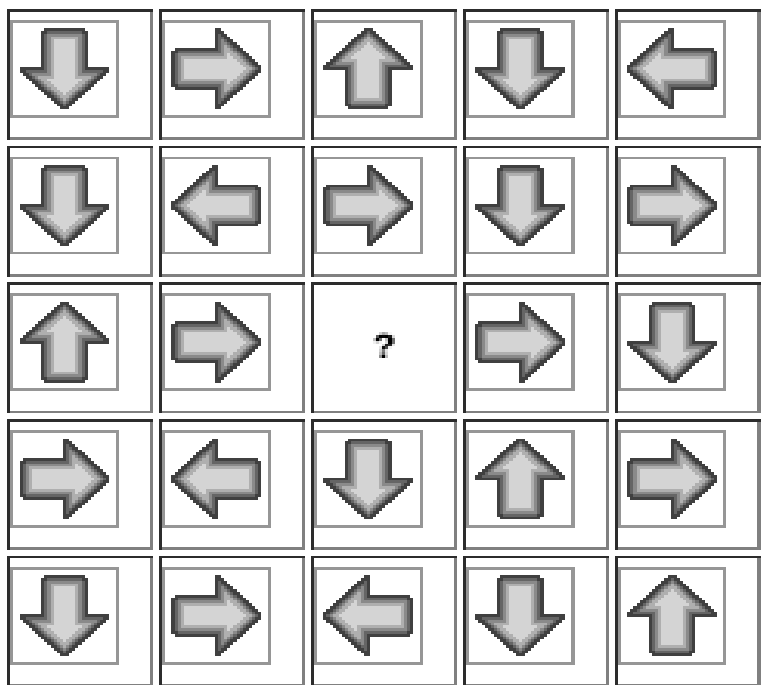


Hi. I hope you're coping¹ in this sweltering² weather. I don't know why, but if the temperature goes over 22°C I just become a sweat machine! I was going to write this week's news about the Japanese Emperor³ saying that he wants to abdicate⁴ but I thought I would wait until it was definite⁵. And I also thought about writing about last week's attack in France, but I don't want to write about such sad things. So, I am writing about a topic I enjoy: space. I hope you have a great week and remember: it's hotter in Nagoya! (Although they have AC!)

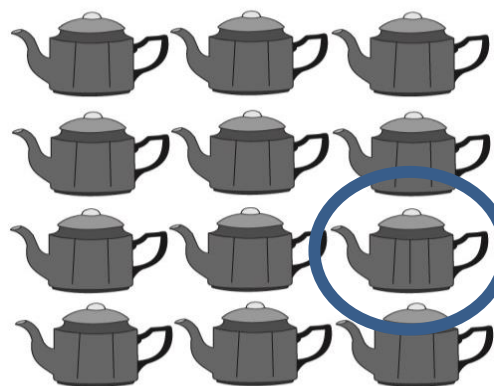
Something You Didn't Know (Jupiter⁶)

1. Jupiter is so big it is 2.5 times bigger than all of the other planets in the solar system⁷ combined⁸.
2. It has 63 moons and 4 rings. The rings are made when meteorites⁹ hit any of the moons.
3. A day on Jupiter is 9 hours and 55 minutes. It spins¹⁰ so fast it is slightly¹¹ flattened¹².
4. The Great Red Spot¹³ on Jupiter is a storm that has lasted over 350 years (at least) and is three times larger than earth. It is about 40,000 km across!
5. In 1610, when Galileo discovered¹⁴ 4 of Jupiter's moons, it gave support to¹⁵ the Copernican view¹⁶ of the universe. This is the idea that the universe doesn't rotate¹⁷ around the Earth.
6. If there were no Jupiter, then there probably wouldn't be life on Earth. Jupiter is so big that it's gravity attracts¹⁸ most of the meteorites in the Solar System, and saves Earth.
7. You could fit 1,300 Earths inside Jupiter.

In which direction should the missing arrow point?



Last Week's Answers



Announcements

This is our last full week. On Thursday the 4th grade have a meeting. On Friday the high school have ball sports. 5F leave for Australia on Friday.

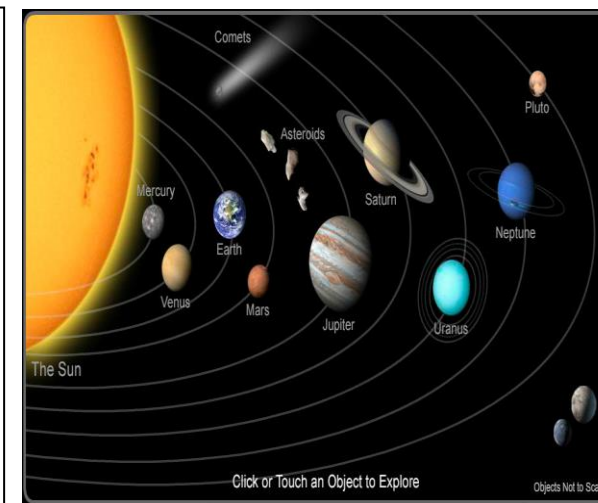
Juno Probe Sends Back First Pictures of Jupiter

Last week the Juno spacecraft¹⁹ launched²⁰ by NASA entered orbit²¹ around Jupiter. The spacecraft has been flying for five years and this was a big moment in its life. There were a few moments of worry as the spacecraft powered up its cameras but everything was ok and it sent back some of its first images. This is an artist's impression²² of the spacecraft.



In actual fact²³, Juno's orbit is not that close. It is 4.3 million km away from the planet. The pictures it has taken look more like this one. The probe²⁴ has travelled 2.8 billion km to reach Jupiter. It is called Juno because in Roman mythology²⁵ Jupiter is the king of the gods and his wife is Juno. Jupiter could hide from anybody except for²⁶ Juno, who could

The probe is going to orbit Jupiter 40 times over 20 months. It will send back many pictures and is going to use an array²⁷ of cameras to try and see inside Jupiter's clouds. We have no idea what is inside Jupiter so it will be interesting. After the mission finishes, Juno will be flown into Jupiter's atmosphere²⁸ so that it burns up. This will stop it crashing into one of Jupiter's moons and contaminating²⁹ it, just in case³⁰ there is life



- 1.Cope うまく対処する 2.Sweltering うだるように暑い 3.Emperor 天皇陛下 4.Abdicate 退位する
5.Definite 認定される 6.Jupiter 木星 7.Solar system 太陽系 8.Combine 含む 9.Meteorite 隕石
10.Spin 回す 11.Slightly 少し 12.Flatten 平になる 13.Great Red Spot 大赤斑 14.Discover 発見する
15.Give support to ~を支持する 16.Copernican view コペルニクスが提唱した太陽中心系
17.Rotate 回す 18.Attracted by gravity 引力で引かれる 19.Spacecraft 宇宙船 20.Launch 打ち上げ
21.Orbit 軌道进行 22.Artist's impression アーティストが考えた印象 23.In actual fact 実は
24.Probe 宇宙探査機 25.Roman mythology ローマ神話 26.Except for ~以外 27.Array ずらりと並んだ
28.Atmosphere 大気 29.Contaminate 汚す 30.Just in case ~する場合に備えて