Jupiter
Largest
Fastest
Strongest

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### Jupiter

**Largest, Fastest, Strongest**

- Composition: Almost 90% hydrogen, 10% helium, small amounts of ammonia, methane, ethane and water
- Jupiter is the largest planet in the solar system, in fact all the other planets combined are not as large as Jupiter
- Jupiter spins faster than any other planet, taking less than 10 hours to rotate once, which causes the planet to be flattened by 6.5% relative to a perfect sphere
- Jupiter has the strongest planetary magnetic field in the solar system, if we could see it from Earth it would be the biggest object in the sky
- The Great Red Spot, a massive anticyclone in Jupiter’s atmosphere, has existed for at least the last 150 years, and may have even been seen in the 1600s
- 63 moons of Jupiter have been discovered as of 2009; more will probably be found in the future
- Three of Jupiter’s satellites are bigger than Earth’s Moon, and Ganymede is the largest moon in the solar system, bigger than the planet Mercury
- Jupiter has a ring system, like Saturn’s only much smaller and fainter, so faint that it was not discovered until the Voyager 1 flyby in 1979
- The temperature of Jupiter’s atmosphere at 1 bar (Earth sea-level) pressure is about -160°F or -110°C, and wind speeds can surpass 150 meters/second (over 330 miles/hour)

### Missions that have flown by Jupiter:

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Europa-Jupiter System mission – future proposed mission

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Europa-Jupiter System mission – future proposed mission