

Saturn Study Sheet

1. rings Saturn's iconic feature, composed of ice particles and dust.
2. gas giant Saturn is a massive planet primarily made of hydrogen and helium.
3. Cassini NASA spacecraft that extensively studied Saturn and its moons.
4. Titan Saturn's largest moon, known for its thick atmosphere and lakes of liquid methane.
5. Huygens Probe that landed on Titan, providing valuable data about its surface.
6. hexagon Mysterious six-sided atmospheric feature near Saturn's north pole.
7. Enceladus Moon with geysers of water ice shooting from its south pole.
8. Moons Saturn has over 80 known natural satellites.
9. Great Red Spot A massive storm on Saturn's southern hemisphere.
10. Gases Saturn's atmosphere is mainly composed of these.
11. Equatorial The region of Saturn's rings closest to the planet's center.
12. Shepherd Moons Moons that help maintain the shape of Saturn's rings.
13. Cassini Division Gap in Saturn's rings caused by gravitational interactions with the moon Mimas.
14. Helium Abundant gas in Saturn's atmosphere and a key component of its composition.
15. Craters Surface features on Saturn's moons created by impacts.
16. Storms Saturn experiences intense weather patterns, including these.
17. retrograde Motion opposite to the direction of Saturn's rotation.
18. Epsilon Ring Faint innermost ring of Saturn.
19. Tethys Moon with a large impact crater called Odysseus.
20. Magnetosphere The region of space around Saturn influenced by its magnetic field.