

GASEOUS - Outer Planets ← large deep massive

<u>Jupiter</u>	<u>Saturn</u>	<u>Uranus</u>	<u>Neptune</u>	<u>Pluto</u>
- layers ^{of} clouds of water (atmosphere) - has gases methane ammonia H_2 & He	- still forming due to energy release - 2nd largest - 764x the volume of Earth	- He, CH_4 - 89% of Earth gravity - tilted on its side 90° - one side points toward sun	- Interior releases energy to outer energy - atmosphere has belts of clouds - Great dark spot	- atmosphere made of thin CH_4 - Covered by frozen N_2 - farthest - coldest
- radiates more energy than it receives - colors due to organic compounds - largest - Great Red spot	- H_2, He, CH_4, NH_3 ethane - has rings made of icy particles (different colors) - He falling into core = forming	- believed that its tilt caused by an impact of an object - absorbs the red light strongly ↓ - blue-green in color	- a set of narrow rings - gravity is 112% of Earth - atmosphere similar to Uranus	- made of rock and ice - smallest - Its moon is $\frac{1}{2}$ its size and covered frozen water.

It's a storm system

- Its pressure is strong enough to change H_2 to liquid