

Name _____

The Largest Moon in the Solar System: Ganymede

Short Answer Key

1. Ganymede has a diameter of approximately 5,268 kilometers, making it larger than Mercury.
2. Ganymede's surface is composed of silicate rock and water ice, with a subsurface ocean beneath its icy crust.
3. The grooved terrain on Ganymede's surface is a network of intricate ridges and valleys, possibly formed through tectonic forces or cryovolcanism.
4. Ganymede's intrinsic magnetic field is generated by a partially liquid iron-nickel core.
5. The upcoming mission that will explore Ganymede is called JUICE (JUUpiter ICy moons Explorer), and its objectives include studying the geology, subsurface ocean, and magnetic field of Ganymede, as well as other Jovian moons.

