

#### MIMAS

Mirnas is the innermost and smallest of Saturn's major mons. It orbits within the ring system and cleared the region between the A and B rings to produce the Cassini Division. This ball of water rice and rock averages 3974 RL2A miles in diameter: But Minas is not quite spherical: it is about 30km 119 miles longer than it is wide and deep. The moons surface is an icy - 209°C (-1344°F) and is pitted by impact crafters: The huge Herschel Crafter dwarfs all the regt. It is Minas's most conspicuous surface feature, at 139km Bö miles wide and amost 10km 16 miles deep. The crafter takes its name from William Herschel, the British astronomer who discovered the moon in 1789.

### TETHYS

Measuring 1,072km (666 miles) across, Tethys is Saturn's lifth-largest mote. Orbiting within the ring system, it takes 45 hours to cricle the planet and shares its path with two smaller moors, Telesto and Calyos – the Tethys Trojans. Objessius, Tethys Tangest impact carler, is 45km (277 miles) wide. Its rim and central peak have largely collapsed, which suggests that Tethys was planed enter the terms of the inpact that shaped Urbaca Chansen carlyon may have been formed by the inpact that shaped Odysseus, or by the interior of Tethys freezing and splitting the surface.





ENCELADUS, MIMAS, AND TETHYS 0 163







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