Is Pluto a planet?  HYEJIN RYU, Department of Physics and Astronomy, Stony Brook University — The debates over the answer to the question, Is Pluto a planet? have been continued since the Pluto was discovered in 1930. Some of the astronomers insist Pluto is one of the planets in the solar system, yet some of the astronomers argue with them asserting Pluto is one of many sizeable hunks of rock and ice in the Kuiper Belt. In 2006, Pluto was declared a dwarf planet according to the new definition about the word, planet, by the International Astronomical Union (IAU). However, the controversy over Pluto is still an issue. In this presentation, we will discuss about the reasons the Pluto cannot be a planet through looking into various properties of Pluto such as mass, eccentricity, and inclination besides Kuiper Belt Objects.