





3. [2 Points] Pluto's orbit crosses that of Neptune – is Pluto at risk of colliding with Neptune? Why or why not?

4. Io is HOT!

a. [1 Point] Scientists have never measured Io's internal temperature. What evidence do we have of Io's strong internal heating?

b. [3 Points] Explain how the resonance among Io, Europa, and Ganymede leads to Io's tidal heating.