J – lots moons – 1st G – inner IO – small / earth moon – rocky – colder

Picture – surface – volcano / erupting – impact X – covered

- surprising – interior – hot – puzzling

Our moon – cold – heat from ?

- tidal force – ocean earth – tidal earth – moon gravi

- nearest / strong – tide rise spin – differ

How volcano – facing / gravi – J massive – powerful – IO – toward J

- alone X explain

Else – X just J – other two – close enough massive – affect orbit

- pull out – away – X circle – regular – fluctuation gravi

- short time -tide – IO – X ocean – on rock

Friction – rock – heat pressure – tidal heating – volcano

Recent – data – moon / away – IO / regular orbit J alone – change