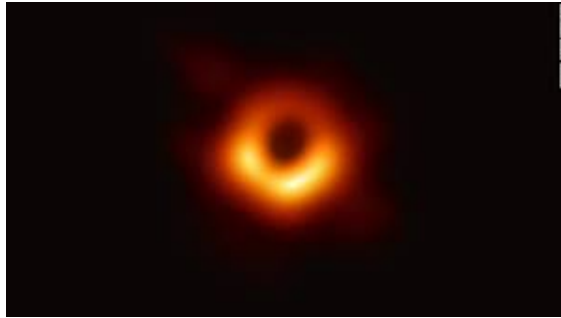


Physics 5500: Astrophysics and the standard model

ENTER

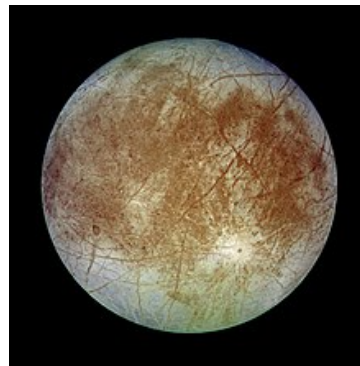
What, exactly, *is* a black hole, anyway?



Which planet has the most moons? (*Hint: 82!*)



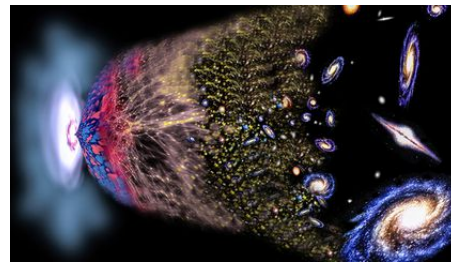
What is the smoothest object in the solar system?



Europa

and how does *the standard model* . . .

	1/6 u up	2/6 c charm	3/6 t top	4/6 g gluon	125 GeV H Higgs boson
QUARKS	5/6 d down	6/6 s strange	7/6 b bottom	8/6 γ photon	
	9/18 e electron	10/18 μ muon	11/18 τ tau	12/18 Z Z boson	
LEPTONS	13/18 ν _e electron neutrino	14/18 ν _μ muon neutrino	15/18 ν _τ tau neutrino	16/18 W W boson	17/18 G GAUGE BOSONS



. . . explain *the big bang*?