

Homework 4 (due 17 February 2015)

Bi177-2015

name_____

Under a methane sea. The lakes and oceans on Saturn's moon Titan are cold (100 K) bodies of hydrocarbons. What color would you see deep under these liquid bodies? Let's assume they are mostly made of methane (CH_4).

Hint - (1) What visible wavelengths are absorbed by methane?

Hint - (2) Why are Jupiter and Saturn brownish while Neptune and Uranus are blue?