

# AST 250 – Spring 2018

## Homework Due: Wednesday February 14

16. If the Sun is 74% Hydrogen by mass, estimate the percentage of the Sun's hydrogen that has burned by fusion over its lifetime assuming it has burned Hydrogen at the same rate that it burns it today. Hint: Remember that 0.7% of the mass of each proton is converted into energy by the p-p chain nuclear reactions.

