

# **AOSC 433/633 & CHEM 433/633 Atmospheric Chemistry and Climate**

## **Admission Ticket, Lecture 23**

**Due: Thursday, 2 May 2013 (at start of class)**

**10 points**

**Your name:**

a) (2 points) Some believe that hydrogen is the “clean” fuel source of the future. Currently, what fuel is the most suitable feedstock for hydrogen production?

b) (2 points) What extraction method is increasingly being used to supply large amounts of this feedstock?

c) (2 points) Currently, what is a source of energy that can be used to produce hydrogen that, under ideal conditions, does not suffer from intermittency problems, limited availability, or produce greenhouse gases?

d) (4 points) For the energy source you listed in c), what is the most formidable challenge facing this energy source and why?