Reading (and printing) assignments in preparation for group activity.

DUE Monday 1-26,

Print copies of

- Grevesse&Sauval, Space Sci. Rev. 85 (1998) 161 (see website)
- Lodders, Ap. J. 591 (2003) 1220
- Asplund et al. 2004 astro-ph/0410214 (**http://xxx.lanl.gov**)

and bring them to class

IMPORTANT:

Read Grevesse&Sauval 1998, Asplund et al. 2004 (especially , and Lodders 2003 section 2. You don't have to understand everything. Read the sections that pertain your assigned element range especially carefully - for the other sections you will have an expert in your group.

Specific instructions depending on your assigned elements. You should understand the main points, including the main sources of information for the abundance of a given isotope:

He:

- Read Lodders 2003 2.3.1.1. very thoroughly and understand the main points. Look at He, but also at X,Y,Z (this is closely related) and know the difference between X,Y,Z and X_0,Y_0,Z_0 and what the main reason for the difference is.
- Read Grevesse & Sauval 1998, section 4.1 very carefully

C,O:

- Read Lodders 2003 2.3.1 introduction carefully. Especially familiarize yourself with Table 5.
- Followup some of the references. Also read carefully Asplund et al. 2004 astro-ph/0410214 focusing on sections 1, 2, 3.2., 3.4, 4., 5.
- Also look at http://adsabs.harvard.edu/abs/2006CoAst.147...76A - its another more recent summary of the main points that might be helpful.

heavy noble gases Ne,Ar,Kr,Xe:

- Read Lodders 2003 2.3.1.2., 2.3.1.3., 2.3.1.4. very carefully
- Read Asplund et al. 2004 astro-ph/0410214 section 3.5. carefully