

NAME _____

Dr. Garofalini

See due date on Website Syllabus

ANSWER ON THIS PAGE ONLY

The following figure is an XPS spectrum of Si with apparently some oxide formed on it. Note that the Si is labeled by the shells for the specific electrons being analyzed (we might have them as L_1 and $L_{2,3}$). There are labels for 2 O peaks located at ~ 535 eV and ~ 740 eV. Label each O peak and use the Table of energies on the website to help decide what causes these O peaks and include the appropriate labels for each O peak. Include your detailed calculations to justify labels.

