

Name _____

See due date on website

Given the figure of atoms showing the Pt (100) substrate FCC lattice in black and an oxygen adsorbate lattice in red with the Pt molar volume being $9.09 \text{ cm}^3/\text{mol}$, (a) what is the Pt lattice constant and (b) what is the adsorbate lattice constant, and (c) show the Woods notation for this system. **Put answers on this page.**

