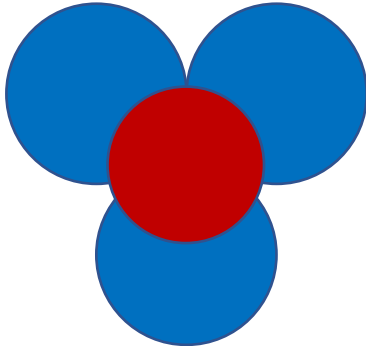
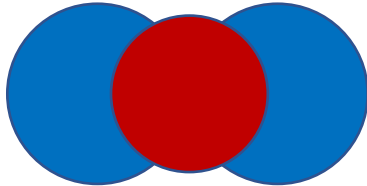
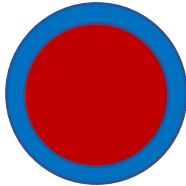


Sites	3 – fold hollow	2 – fold bridge	1 – fold atop
<div> <div>● -Pd</div> <div>● -CO</div> </div>			
Associated wavenumber	$\sim 1830 \text{ cm}^{-1}$	$\sim 1950 \text{ cm}^{-1}$	$\sim 2100 \text{ cm}^{-1}$