

Figure. 1 (a-b) Optical image and Raman spectra of  $MoS_2$  and  $MoO_2$  crystals by CVD

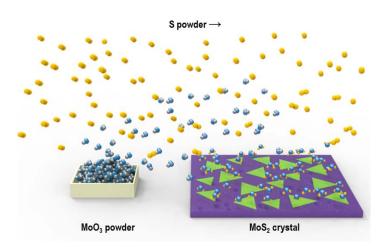


Figure. 2 Schematic illustration of  $MoS_2$  synthesis