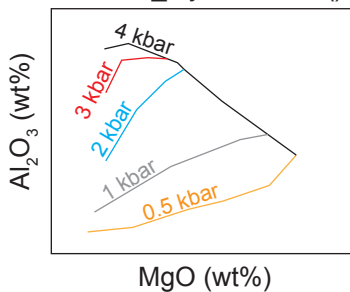


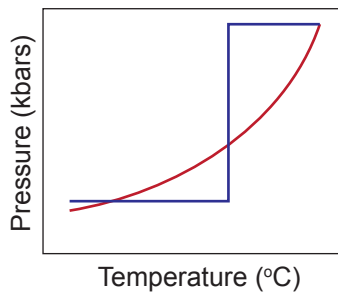
a) Crystallisation calculations

isobaric_crystallisation()

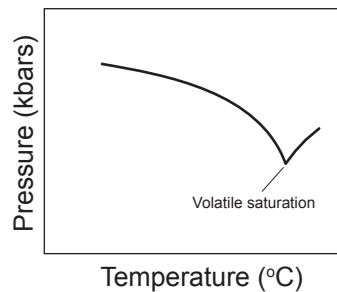


polybaric_crystallisation_onestep()

polybaric_crystallisation_path()



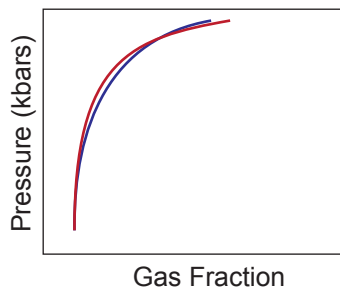
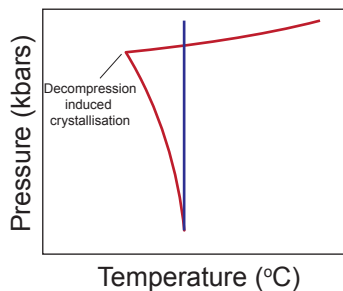
isochoric_crystallisation()



b) Decompression calculations

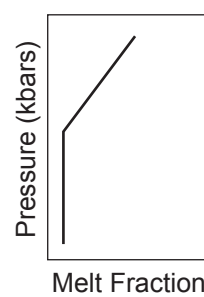
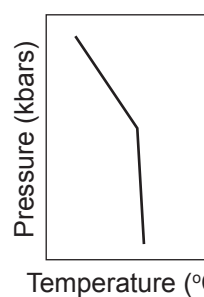
isothermal_decompression()

isentropic_decompression()



c) Melting calculations

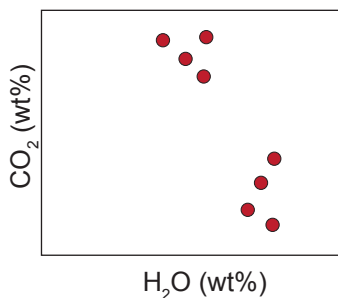
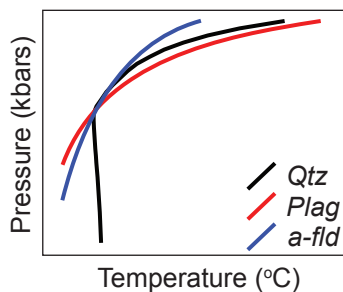
AdiabaticDecompressionMelting()



d) Barometry calculations

find_mineral_cosaturation()

findSolubilityPressure()



e) Additional core functions

findLiq_multi() - load in an Excel spreadsheets of liquids and calculate their liquidus temperatures

findCO2_multi() - given a particular melt composition, pressure and H_2O content, what is the maximum CO_2 content of the melt phase

equilibrate_multi() - takes multiple input variables and returns data for phase composition, abundance, and thermodynamic properties