



EXAMPLE K_c CALCULATIONS - HOMOGENOUS

1. Methanol can be manufactured using the following process.



0.242 moles of CO were mixed with 0.360 moles of H_2 in sealed container with a volume of 400cm^3 at a temperature of 550K and left to reach equilibrium.

- a) It was found that 0.100 moles of CH_3OH was present at equilibrium.

Calculate K_c , including its units.

$K_c = \dots\dots\dots$ Units $\dots\dots\dots$

What would happen to value of K_c , if the temperature was decreased?