Answer on Question # 59953 - Chemistry / Physical Chemistry

An ideal gas is containing in a volume V at temperature T. If the volume is doubled at constant pressure, temperature will be?

A) unaffected
B) doubled
C) halved
D) none of the above

Solution:

$$p = \text{const} \Rightarrow \frac{V}{T} = \text{const}$$

then if the volume is doubled at constant pressure, the temperature will be doubled too。

Answer is B) doubled.