

Re: temperature increases, volume decreases. why?

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From: Anja (anja_at_no.spam.com)

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"Kosmo Relmian" <nospam@invalid.com> wrote in message
news:2kefelF1bq8qU1@uni-berlin.de...

>

> "Anja" <anja@no.spam.com> wrote in message

> news:40e20124\$0\$274\$edfadb0f@dread12.news.tele.dk...

>> Assume I have a gas in a cylinder that has a piston as a top. the system

> is

>> isolated. if I put a mass on top of the piston, then the pressure and

>> temperature inside the cylinder will increase, while the volume will

>> decrease.

>> What is the physics behind the fact that the temperature increases and
the

>> volume decreases?

>>

>

> The poor atoms are pushed closer together, have more collisions per min

> (hotter)

more collisions per minut means also that pressure got bigger. and pressure
and temperature are two separate things. how do you explain this difference?