



A schematic diagram of a piston-cylinder system. A light blue rectangular region on the left represents the gas, with the text "gaz parfait" centered within it. To the right of the gas is a vertical grey bar representing a piston. Further to the right is a white region representing the atmosphere, with the text "atmosphère" and "(P₀, T₀)" centered within it. A blue arrow labeled \vec{F} points from the atmosphere towards the piston.

gaz parfait



atmosphère
(P_0, T_0)