16 What is the internal energy of a system?

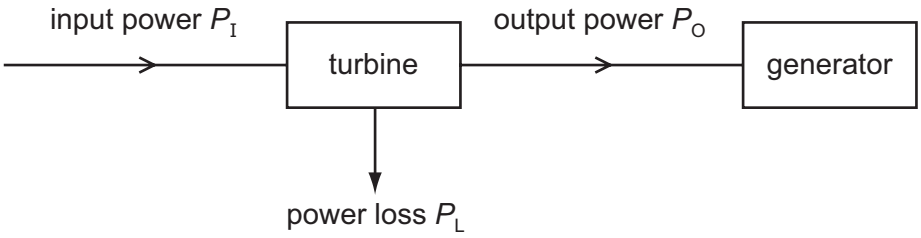
A the amount of heat supplied to the system

B the energy of the atoms of the system

C the total kinetic energy of the system

D the total potential energy of the system

17 A steam turbine is used to drive a generator. The input power to the turbine is P_I and the output power P_O. The power loss in the turbine is P_L, as shown below.



What is the efficiency of the turbine?

A $\frac{P_L}{P_O}$ **B** $\frac{P_I}{P_O}$ **C** $\frac{P_L}{P_I}$ **D** $\frac{P_O}{P_I}$

Space for working