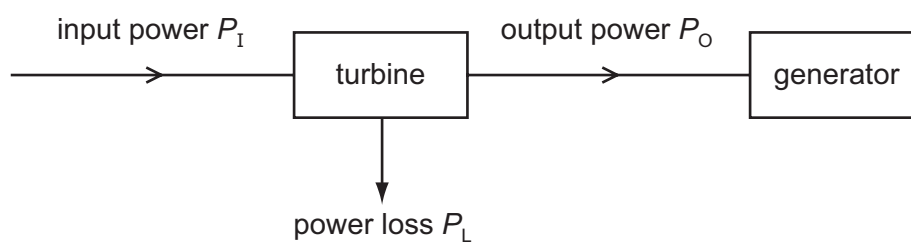


16 What is the internal energy of a system?

- 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