

**20** Which expression gives the efficiency of a system?

- A** 
$$\frac{\text{total energy input}}{\text{useful energy output}}$$
- B** 
$$\frac{\text{useful energy output} + \text{wasted energy output}}{\text{total energy input}}$$
- C** 
$$\frac{\text{useful energy output}}{\text{total energy input}}$$
- D** 
$$\frac{\text{wasted energy output}}{\text{total energy input}}$$