

**18** Which statement about the first law of thermodynamics is correct?

- A** The heating of a system equals the increase of its internal energy plus the work done on the system.
- B** The increase in the internal energy of a system equals the heating of the system plus the work done by the system.
- C** The increase in the internal energy of a system equals the heating of the system plus the work done on the system.
- D** The work done on a system equals the increase of its thermal energy plus the heating of the system.