

**16** Which statement of the first law of thermodynamics is correct?

- A** The heating of a system is equal to the increase in the internal energy of the system minus the work done on the system.
- B** The heating of a system is equal to the increase in the internal energy of the system plus the work done on the system.
- C** The work done on a system is equal to the heating of the system minus the increase in the internal energy of the system.
- D** The work done on a system is equal to the increase in the internal energy of the system plus the heating of the system.