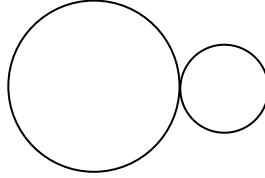


- 14 Two iron spheres of different radii are in thermal contact in a vacuum as shown.



The spheres are at the same temperature.

Which statement **must** be correct?

- A There is no net transfer of thermal energy between the spheres.
- B Both spheres have the same internal energy.
- C Both spheres have the same heat capacity.
- D The larger sphere has a greater mean internal energy per atom than the smaller sphere.

