

- 13** A copper block is placed in thermal contact with an iron block at a higher temperature. The blocks have the same mass, and energy exchange with the surroundings is negligible. There is negligible change in the volume of the blocks.

Which of the following will be true of the magnitudes of the change in internal energy and temperature of each block when thermal equilibrium is reached?

	magnitude of change in internal energy	magnitude of change in temperature
A	Equal	Equal
B	Different	Equal
C	Equal	Different
D	Different	Different