

Answer on question #51917, Physics, Field Theory

Question Substance A has a higher specific heat than substance B. With all other factors equal, which requires the most energy to heat equal masses of A and B to the same temperature?

Substance A

Substance B

Both require the same amount of heat.

Answer depends on the density of each substance.

Solution Answer is Substance A. Higher specific heat means it need more heat to warm up per one degree per mass unit.

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