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Heat transfer is energy in transit, and it can be used to do work. It can also be converted to any other form of energy. A car engine, for example, burns fuel for heat transfer into a gas.

Introduction to Heat Transfer: How Does Heat Transfer?

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transfer through a 1-D system is called the thermal circuit model

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called the thermal resistance For conduction, For convection,

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to the total mass of the mixture Mole Fraction: ratio of

components moles to the total moles of the mixture tot i i m m w

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