Energy Transfer: Conduction, Convection, and Radiation-

**Directions**: Complete the Table Below using pages 144-149 in your book and answer the questions that follow.

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| **Method of Energy Transfer** | **Definition** | **Example** | **EXPLAIN how your example transfers energy** |
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1. Predict whether the hottest part of a room will be near the ceiling, in the center, or near the floor, given that there is a hot-air vent near the floor. Explain your reasoning.
2. Explain why there are temperature differences on the moon’s surface, even though there is no atmosphere present.
3. Describe conductors and provide an example.
4. Several days after a snowfall, the roofs of some homes on a street have almost no snow on them, while the roofs of other homes are still snow-covered. Give on reason, related to home insulation, that might cause this difference.