**Writing Prompt: Explain how heat transfers from one object to another.**

**SRP**

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| **If I try my best, I cannot fail** | **Correctly paraphrase/cite evidence** |
| **TIDE, POW** | **Neatly written paragraph** |

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| **P** | **Pull apart prompt- do/what** |
| **O** | **Organize my notes- TIDE organizer** |
| **W** | **Write and say more- use good descriptive words and science vocabulary** |

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| **Do**  | **What**  |
| **Explain**  | **How heat transfers from one object to another** |

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| **T****(Topic, Introduction, Preview Evidence)** |  ~~In the articles~~ *~~What is Heat~~* ~~and~~ *~~Convection~~*~~,~~~~the author explains how convection works. Heat transfers from one object to another because of convection. Convection is the transfer of heat through the movement of large amounts of a fluid(otherwise known as a liquid or a gas).~~ |
| **I** **(Evidence)** | *~~What is Heat~~*~~- “Heat naturally moves from warmer areas to cooler areas”~~ |
| **D** **(Claims & Reasoning)** | ~~Claim-heat transfers from one spot to another~~~~Reasoning- heat expands to even out temperature, relate to air particles moving to be equal~~ |
| **I** **(Evidence)** | *~~Convection~~*~~- paraphrase paragraph 8~~~~Include the following points: hot air expands, rises, cools, then falls~~ |
| **D** **(Claims & Reasoning)** | ~~Claim- convection cells is heated fluid particles moving~~~~Reasoning- heat moves away from source because it wants to be even, one area can not be really hot and another area be really cold, expand or flows to make this happen~~ |
| **I** **Evidence** | *~~Convection~~*~~- ”The water expands as the water particles gain kinetic energy and push farther apart” paragraphs ⅔~~  |
| **D** **(Claims & Reasoning)** | ~~Claim- A small mass of a fluid will heat up and expand.~~~~Reasoning- the fluid that expands has less density than the other fluid so the warmer one rises~~ |
| **E** **(Ending and Extending)** | In closing, heat transfers from one object to another because of convection. Convection is the movement of heat through the movement of large amounts of a fluid. Heat transferring, also known as convection, is important because if you made afire, and all the warmth stays inside of it, you would be pretty cold.  |

In the articles *What is Heat* and *Convection*,the author explains how convection works. Heat transfers from one object to another because of convection. Convection is the transfer of heat through the movement of large amounts of a fluid(otherwise known as a liquid or a gas).First of all, heat transfers from one place to another. I know this because in the article, *What is Heat*, it says, “Heat naturally moves from warmer areas to cooler areas”. Heat expands to even out temperature. This reminds me of when air particles would move from an area of high pressure to an area of low pressure that that the pressure levels could even out. Second of all, convection cells are the **fluid** particles moving. I know this because in *Convection*, they say that the fluid gets hot and then rises up into the air. After a while, as it cools down, the fluid gets more dense so it falls. Heat moves away from the source because it wants to be even. It does this because one area can not be really hot and another area be really cold, so the fluid expands or flows to make this happen. Third of all, a small mass of fluid will heat up and expand. ”The water expands as the water particles gain kinetic energy and push farther apart”(*Convection*, paragraph 3). Since I know then when the air is cooler it is more dense, I know that the warmer fluid that expands has less density than the other fluid so the warmer one rises up into the air before completing the cycle.In closing, heat transfers from one object to another because of convection. Convection is the movement of heat through the movement of large amounts of a fluid. Heat transferring, also known as convection, is important because if you made a fire, and all the warmth stays inside of it, you would be pretty cold. The articles *What is Heat*, and *Convection* helped us figure out these points.