Name Quang Huynh

ENERGY IN THE NEWS DRAFT

**Question:** Compare / Contrast the type of energy in your article to the energy in the article you were given in class. The audience for this essay is a news outlet such as a magazine or online article. Be sure to use complete sentences and provide evidence from your resources in your writing.

HEADLINE: Thermal Energy vs Sound Energy

|  |  |  |
| --- | --- | --- |
| **Introduction paragraph** (give general overview of the 2 types of energy you are going to compare) | So firstly, I am going to be comparing Thermal Energy between Sound Energy. Both energies are very interesting and unique. Now, let’s talk about the two energies. Thermal Energy is energy that comes from heat, and this heat is generated by the movement of tiny particles within an object. The faster the particles move; the more heat is produced. Next, Sound Energy is the energy associated with vibrations of matter. Those are the two energies that I am going to compare, Sound and Thermal Energy. | |
|  | **Topic Sentence** | **Elaboration**  (Specific details/facts/examples that tell how or why this supports your  topic sentence) |
| **1st paragraph** | **1.Firstly, let’s compare on how Sound and Thermal Energy are similar. They are both Kinetic energy, meaning they are both from the movement of a wave or particle. They also move through solids, and carry energy. But also, they are both very different from each other, for example, Thermal Energy uses Joules as its unit, and Sound Energy is measured in decibels and pascals. Thermal and Sound Energy are also different by the fact that Thermal Energy is energy from heat and the heat is generated through the movement of particles, and Sound Energy is through the movement of mechanical waves.** | * **If the vibrational *waves* of a medium changes, the sound it produces will also change.** * **Sound produces a low level of *energy*.** * **The *joule* is the unit used to measure thermal energy.** * **Sound is measured in *decibels* and *pascals*.** * **It is a type of *mechanical wave* which means it requires an object to travel through.** * **The energy that *comes from heat*; generated by the *movement of tiny particles* within an object.** |
| **2nd paragraph** | 1. **Now let’s talk just about Thermal Energy. So, Thermal Energy is energy that comes from heat, which is generated through the tiny particles in an object. The faster these particles move, the more heat is generated, making more energy. Thermal Energy is measured using Joules. Thermal Energy is transmitted to or from an object, being transferred as heat.** | * **Objects do not obtain heat, instead, they obtain thermal energy.** * **The amount of thermal energy depends on the temperature, but also depends on the amount of matter you have.** * **Thermal energy is a part of the total energy of any object.** |
| **3rd paragraph** | 1. **Next, let’s talk about Sound Energy. Sound Energy is the energy that’s associated with vibrations of matter, and is a type of mechanical wave. Sound comes from the vibrations that result after an object applies a force to another object. Also, since sound produces such a low level of energy, it is not used for electricity, and sound is measured in decibels and pascals.** | * **If the vibrational waves of a medium changes, the sound it produces will also change** * **Sound is measured in decibels and pascals instead of the tradition unit of energy measurement, the joule.** * **Because sound produces such a low level of energy it is not used for electricity** * **Sound produces a relatively low level of energy when compared to other forms of energy.** |
| **Concluding Paragraph**  (Restatement of topic and draw a conclusion about what we should have learned) | **So, comparing Sound Energy and Thermal Energy, you can see there are some similarities, but there were a lot more in the differences. We can learn from this compare and contrast essay that Sound and Thermal energy are both kinetic. Also, you can learn that sound produces a low amount of energy, so it could not be used as electricity. Next, another thing that you could learn was, objects do not obtain heat, but instead, they obtain thermal energy since heat is a process. Either way, these two energies are both very different, but also similar.** | |

Works Cited

“Thermal Energy Facts.” Science, [www.softschools.com/facts/energy/thermal\_energy\_facts/402/](http://www.softschools.com/facts/energy/thermal_energy_facts/402/)

“Sound Energy Facts.” Science, www.softschools.com/facts/energy/sound\_energy\_facts/401/.