Internet Questions.

\*\*Research the internet to answer the following questions.

1. What is light made of?
2. What is the speed of light in mi/hr?
3. What is the speed of sound in mi/hr?
4. Why do you usually see lightning before you hear it?
5. If there is 3 seconds between seeing lightning and hearing the thunder, how far away is the storm?
6. What is the Doppler shift (or effect)?
7. How does the Doppler shift effect light?
8. What is a light year?
9. How many light years is the Earth from the Sun?
10. What is sound made of?
11. Why can’t sound travel through space?
12. How do we communicate with astronauts if sound can’t travel through space?
13. Is a cellular phone signal made of light or sound?
14. How does a cell phone make sound?
15. How could you sound proof a room?
16. Explain how sound travels from your vocal cords, into a cell phone, to your friend’s phone and into your friends ear.

Type III. Use the answers to the above questions to write the following paragraph:

1. Write at least 50 words.
2. Use complete sentences.
3. Use the following terms: Waves, sound, light, velocity, lightning, thunder, Sun, Earth, Light Year, cell phones and the transfer of energy.