Sci 10 Energy WS

Complete the sentences using the types of energy you learned today.

1. The two basic types of energy are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_ can effect both potential energy and kinetic energy.
3. Before a diver jumps = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.
4. Midway through the dive = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.
5. End of the dive = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy is a kind of energy produced by a sound wave that vibrates the particles of matter.
7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy can be transmitted by waves through empty space.
8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy is a type of potential energy that bonds atoms into molecules na dare release when the bonds are broken.
9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy is a type of kinetic energy that you can feel as heat.
10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy is release when the atoms’ nucleus is plet or when nuclei are combined together.
11. Batteries store \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy.
12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy due to stretching or compressing.
13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy is carried by the flow of electric charge through a wire.
14. The Law of Conservation of Energy states that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Give two examples of each type of energy:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sound | Electric | Chemical | Thermal | Nuclear | Elastic | Light |
|  |  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Energy In** | **Device** | **Energy Out** |
|  | Solar Panel | Electrical energy |
| Chemical | Battery |  |
|  | Television |  |
|  | radio |  |
|  | microphone |  |
|  | Car engine |  |
|  | Loud speakers |  |
|  | Alarm bell |  |
|  | guitar |  |
|  | Gas oven |  |