**ENERGY CHANGES MAKE THINGS HAPPEN**

1. What happens to matter in the sun?
2. What is the name of the process through which body cells change stored chemical energy into work and heat in order to run body processes such as digestion and breathing?
3. Draw a diagram of the energy transformations that take place in order for a person to jump.
4. What is potential energy?
5. Draw a diagram of the energy transformations that take place in order for a person to hear music through headphones or ear buds after the music device is switched on.
6. Draw a diagram of the energy transformations that take place in order for your brain to process the sound of music and you dance.
7. According to the **First Laws of Thermodynamics**, what happens to energy if it is not created or destroyed. In other words, where does it go after it causes work to be done?
8. What is **low-grade energy**?
9. Explain the **green house effect**.