

1. State the 1<sup>st</sup> and 2<sup>nd</sup> Laws of Thermodynamics.

First law of thermodynamics state that the energy cannot be created nor destroyed. However, it can be transformed or transferred and the total energy remains the same. Second law of thermodynamics state that for any transformation of energy, there will be some loss of useful energy.

2. List the forms of radiant energy that make up the electromagnetic spectrum from lowest energy to highest energy.

Radio Waves, Micro Waves, Infrared, Visible Light, Ultra Violet, X-ray and Gamma rays

3. What are three ways in which abiotic resources become non-renewable?

The three ways which abiotic resources become non-renewable are change in concentration, change in composition and change in amount.