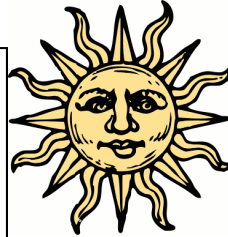


## Energy Transfer

First Law of Thermodynamics:

Second Law of Thermodynamics:

1. The Sun undergoes \_\_\_\_\_ fusion reactions, which releases \_\_\_\_\_ and \_\_\_\_\_ energy.



2. ENERGY – energy travels to Earth in the form of \_\_\_\_\_.

3. \_\_\_\_\_ energy. In the presence of energy, carbon dioxide and water undergo a chemical reaction and produce sugar. This process is called \_\_\_\_\_.



4. \_\_\_\_\_ energy. Animals eat plants to get energy that is stored in sugar.









5. Chemical energy – the body breaks down \_\_\_\_\_ I the chemical reactions of digestion to obtain energy.



6. Animals have the ability to move and do all kinds of work to transform chemical energy into \_\_\_\_\_ and \_\_\_\_\_ energy.

## Energy Conversions

Show the energy conversions that take place by filling in the blanks.

In a(n)	starting energy	is converted to	final energy
1. 	_____	_____	_____
2. 	_____	_____	_____
3. 	_____	_____	_____
4. 	_____	_____	_____
5. 	_____	_____	_____
6. 	_____	_____	_____
7. 	_____	_____	_____
8. 	_____	_____	_____