

Abiotic factors are	NOT Living (example - Humidity)
Assistive Bioengineered product is one that	HELPS the organism
A ball resting will increase its kinetic energy when	It is dropped from the shelf
A battery operated toy car has which transformations	Chemical (battery) to Electrical to Mechanical
A biome with herbivores and many grasses would be called	A Savannah or Prairie
The Cause of the Wind is	The UNEVEN heating of the atmosphere
Cold ocean currents are deeper because	cold water is MORE Dense and SINKS
The correct order of Hawks, grasses, songbirds, & caterpillars is	Grasses, Caterpillars, Songbirds, & Hawks
The energy conversions from the coils of a toaster	Electrical to Radiant (Light/Heat)
The Energy conversions in a power plant that cause Hot air to turn turbines	Thermal Energy to Kinetic Energy

The Energy Transformations that take place in a music player are	Chemical (Battery) to Electrical to Sound
Examples of Chemical Potential Energy are	Fossil Fuels like Gasoline, Food, and Living Things
Fireworks release Heat, Light, and Sound which are the energy conversions from	Chemical Potential Energy
A Food Chain shows: Thistle, caterpillar, frog, snake, owl - the energy flow	The arrow points to the one doing the eating - like the frog getting energy from the caterpillar
A High Tide would be found	Where the Moon is facing the earth and on the opposite side
The Humboldt Current moves water from	The South Pole towards the Equator and back again
If a bottling company tries to adjust their capping device to keep it from breaking the bottles they will know it is fixed when	They inspect the bottles after the adjustment (to see if any are broken)
If the Barometer is Falling Quickly you can expect	Stormy Weather
In 365 days the Earth	REVOLVES Once around the Sun to make a YEAR
In a Circuit Diagram to hear a sound the circuit must be	Closed and a buzzer used in the circuit

In a food Web or Food Chain the arrow point to	The one who is eating
In an energy pyramid the producers (plants) would be found at	The bottom Level or Level One
In a ONE month period	The moon would revolve around the Earth resulting in the Moon Phases
In a roller coaster the Gravitational Potential energy(GPE) would be	At the Highest Point (Hill) and the most Kinetic Energy would almost at the bottom of the hill
In circuit that contains a light, battery, and a switch, the energy conversions that would happen when the switch is closed would be	chemical to electrical to light
In the picture for the seasons, winter would be found	In the arms depending on the tilt
Land Breeze (type of wind) happens only at	Night (PM)
The Law of Conservation of Energy states that Energy can not be Created NOR Destroyed it only	Changes Form
The Line up for a Lunar Eclipse would be and during a ____	SEM and a Full Moon
The Line up of SUN, EARTH, & MOON will result in which ocean tide	Highest High Tide (Straight Line) SPRING TIDE

A Lunar Eclipse will occur when	Earth's shadow falls on the moon
The motion of the Earth turning on its axis would give you a	Day & Night or (24) hours
The next moon phase you would find after a new moon (When the moon is between the sun and earth)	Waxing Crescent Moon
Satellites are used to monitor weather and are also used to help humans in	Navigation (GPS systems)
A SEA Breeze happens	During the DAYTIME when the the land heats faster than the surface of the sea
The Season of Fall will occur when the line up is	With the Earth ABOVE or BELOW the SUN
Soil Fertility in a deciduous forest depends on	Fallen leaves that decay
Surface Water Currents result from	The Winds that form when Sunlight heats the atmosphere
The term Biotic means	Living (example an Elk)
To determine if a battery works in extremely low temperatures	compare the power storage of the prototype to that of a standard battery at cold temperatures

To have a complete circuit it must contain	An energy source, conductors (wires) and it must be CLOSED
To have the Southern Hemisphere experience Spring the line up would be	Sun with the earth above or below the Sun
To increase GPE (Gravitational Potential Energy) you would need to	increase the height from the ground
The type of energy found at the top of the hill is	Gravitational Potential Energy
The type of energy found in an apple hanging from a tree	Gravitational Potential Energy
Venus appears as a very bright star at night because	It is close to the Earth
What is an object has a diameter of 950 km and objects the sun describing	An Asteroid
When a deer consumes(eats) a plant some of the energy is used	To help maintain Body Heat and organs to function
When comparing data from a table to a chart	Make sure each data given is graphed correctly on the chart
When comparing Temperatures of land and water in a table/chart you can use the data to	Predict land temperatures by looking at the temperature of the water (due to land & Sea Breezes)

When comparing water and ketchup flows in a tray the data should show that

Thicker liquids take longer to travel to the bottom of a tray

When determining a season from a picture

Do the ARMS first to find Winter and Summer THEN to the HEAD and FEET to determine Spring and Fall

When throwing a ball upward the energy conversions are

Kinetic Energy will be converted to Gravitational Potential Energy as it reaches its highest point

When you have the line up of EMS (Earth, Moon Sun) OR SME (Sun, Moon, Earth) results in a

Solar Eclipse that occurs during a New Moon

When you rub your hands together the energy conversions are

Kinetic to Thermal