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7		ergy Ans	WCIJ		
ill in the blanks with	the words at the bo	ttom of the page. S	Some words will b	e used more th	an once. Use the
word that best compl	etes the sentence.				
I. Stored energy and t	he energy of position	are pe	otential	_ energy.	
2. Compressed springs	and stretched rubbe	er bands are exampl	es of	elastic	energy.
3. The vibration and m	ovement of the atom		thin substances is o	called	
t. The scientific rule th	1992 - 1994 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995	cannot be created o	or destroyed is calle	ed the Law of	
5. The movement of er	nergy through substa	nces in longitudinal	waves is	sound	energy.
5. The energy of positi	on—such as a rock or	n a hill—is <u>gra</u>	vitational poten	tial energy.	
7. The movement of ol	bjects and substance	s from place to place	e isr	motion	energy.
3. Electromagnetic ene	ergy traveling in trans	overse waves is	radiant	ene	rgy.
9. Energy stored in the	bonds of atoms and	molecules is	chemical	energ	y.
0. The movement of a	atoms, molecules, war	ves, and electrons is	kine	etic	_energy.
11. The movement of e	electrons is	electrical	energy.		
2. The amount of use	ful energy you get fro	om a system is its	energy effic	iency	
13. The energy in petro	oleum and coal is stor	red asc	hemical	energy.	
14. X-rays are an exam	ple of	ndiant	energy.		
15. Fission and fusion a	are examples of	nuclear	energy.		
16. A hydropower rese	rvoir is an example o	gravitational	potential e	nergy.	
17. Wind is an example	of the energy of	motion			
Word Bank					
chemical	•electrical	•kinetic	*potential		thermal
Printed Linearing	and the provided first following constraints		•radiant		
	 energy efficiency 	*motion	-rausant		
Conservation of Energy relastic	 energy efficiency gravitational potentia 		•sound		30

Substances involved in digestion

The following table lists some of the digestive juices involved in digestion. Copy it into your book.

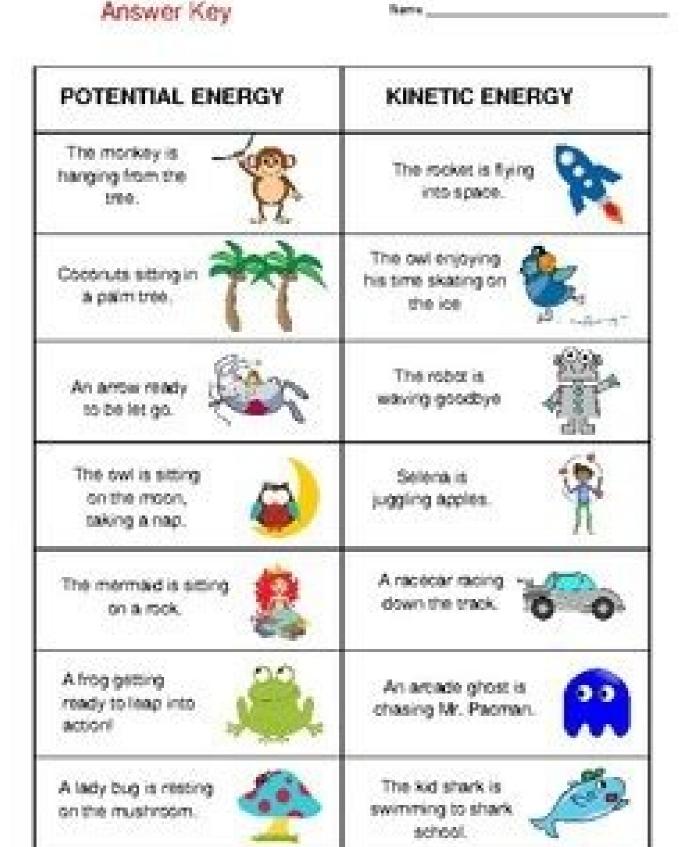
Digestive juice	Produced in	Secreted into	Ingredients
Saliva			1
			2
			3
Gastric juice			1
			2
			3
Bile			1
9008			2
			3
Pancreatic juice			14
			2
			3
Intestinal juice			1
38			2
			3

- 1. Put the following locations into the correct place in the "produced in" column. Gastric pits Liver Pancreas Salivary glands Villi
- 2. Put the following locations into the correct place in the "secreted into" column: Duodenum Duodenum Mouth Small intestine Stomach
- 3. Each digestive juice has three ingredients. Choose the correct ones from this list to fit into the "ingredients" column.

Carbohydrase	Mucus	Alkali	Bile salts	Pigments
Acid	Water	Amylose	Mucus	Protease
Lipase	Protease	Lipase	Carbohydrase	Protease

Now answer the following questions.

- 1. What sort of enzyme is amylase?
- 2. What is the name of the protease which is released in the stomach?
- 3. Which digestive juice does not contain any enzymes?
 4. Name three carbohydrases which are released into the small intestine?
- 5. What is the function of mucus?
- 6. Which of these digestive juices is stored, and where?





Calculating Spring Constants and Elastic potential energy

- A spring has been extended by 0.2m when a force of 5 Newtons is applied. Calculate the spring constant of this particular spring.
- k = F + e = 5 + 0.2 (<) = 25 (<) N/m (<)
- A spring has been extended by 0.25m when a force of 8 Newtons is applied. Calculate the spring constant of this particular spring.
- k = F + e = 8 + 0.25 (<) = 32 (<) N/m (<)
- k = F + e = 8 + 0.25 (<) = 32 (<) N/m (<)

 3. When a force of 10 N is applied to a spring which has a spring constant of
- e : F + k : 10 + 19 (*) : 0.53 (2 d.p) (*) m (*)

 4. When a force of 12N is applied to a spring it extends by 24cm, Calculate

19 N/m by how much would it extend from its original length?

- 4. When a force of 12N is applied to a spring it extends by 24cm. Calculate the spring constant of this particular spring?
- $k = F + e = 12 + 0.24 (\checkmark) = 50 (\checkmark) N/m (\checkmark)$
- 5. A spring's original length is 2cm. When 300g of mass is a applied to the spring its new length is 12cm. Calculate the spring constant of this particular spring?
- e = 0.12 0.02 = 0.10m (<) k = F + e = 3 + 0.10 (<) = 30 (<) N/m (<)
- A spring has a spring constant of 30N/m. If its original length is 2cm and its length when extended is 27cm, calculate the force which has been applied to the spring.
- e = 0.27 0.02 = 0.25m (<) F = k x e = 30 x 0.25 (<) = 7.5 (<) N (<)
- A spring has a spring constant of 20N/m. Calculate the elastic potential energy stored in the spring if it has been extended by 0.25m.

Determine whether the objects in the following problems have kinetic or notential energy. Then choose the

 $E_{e} = \tfrac{1}{4} \times 20 \times 0.25^{r} \ (<) = 0.6253 \ (<) \ J \ (<)$

KINETIC AND POTENTIAL ENERGY WORKSHEET

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K	$E = 1/2 \text{ m } v^2$	OR	$PE = mgh = F_wh$	$g = 10 \text{ m/s}^2$
1. You serve a volleyt	ball with a mass	of 2.1 kg. The	e ball leaves your hand wi	th a speed of 30 m/s. The ball h
energy	. Calculate it.			
2. A baby carriage is	sitting at the top	of a hill that i	s 21 m high. The carriage	with the baby has a mass of 11
The carriage has				, , , , , , , , , , , , , , , , , , , ,
A car is traveling w Calculate it.	ith a velocity of	40 m/s and h	as a mass of 1120 kg. The	car hasenergy.
A cinder block is si energy. Calculate it.	tting on a platfor	rm 20 m high	. It has a mass of 4 kg. The	e block has
5. There is a bell at the energy. Calculate it.	e top of a tower	that is 45 m h	igh. The bell's mass is 200	0 kg. The bell has
6. A roller coaster is a		m hill and ha	s a mass of 26,000 kg. Th	e coaster (at this moment) has
7. What is the kinetic	energy of a 3-kil	logram ball th	nat is rolling at 2 meters pe	er second?

Kinetic and potential energy practice worksheet answer key. Potential and kinetic energy worksheet answer key. Potential and kinetic energy worksheet answer key. Worksheet kinetic and potential energy worksheet answer key. Kinetic and potential energy worksheet answer key 8th grade.

Nuclear energy is used for the generation of electricity, medicine, industry, agriculture etc. Electricity is a type of energy that comes from electric energy that comes from electric energy that comes from electric energy is produced when a force causes the vibration of an object or substance. These charged particles are known as electrons. The energy of an object due to its movement or position is called mechanical energy. Two of the worst volcanic disasters in modern history occurred in the country of ______. These sources are naturally supplied and therefore recommended. The energy obtained from renewable sources such as sunlight, wind, water, tides, waves and geothermal heat is known as renewable energy. Mount St. Helens is a volcano in the United States. Also known as thermal energy, it is produced by heated substances. The volcanic soil is rich in calcium and potassium that growing plants need. The sound travels about 750 miles per hour. Some areas may have the same types of rocks and soils, while others have rocks and soil with a different composition of elements. In the course of millions of years what main force of nature has it remodeled the continents? When a volcano explodes, it emits tons of hot gases, ashes and possibly lava. What an exciting and descriptive name for a geological phenomenon, the Pacific Fire ring. Just program a free session to meet a tutor and get help on any topic you want! Find out more about the types of energy and other important topics with the scientific tutoring of fifth grade "at Etutorworld. We also offer the advantage of personalized lesson plans, flexible programs and convenient learning from home. The fire ring refers to the great number of that are found that surround the Pacific Ocean. Our expert scientific tutors divide the topics through one-to-one interactive sessions. Volcans tend to explode in a scheme over time. When the substance is The increase in temperature makes these particles move more quickly and release energy in the form of heat. When we eat, we use this potential energy to carry out various activities or to maintain body temperature. Explain what the busty plaques are and what they control their movement. The volcano starts deeply underground, perhaps 60 miles under the surface, where the temperature can be 2,500 degrees F, hot enough to melt the rocks. Non-renewable energy-energy obtained from non-renewable sources cannot be easily replaced by natural means. All these forms of energy can be described as potential energy or kinetic energy shapes - light energy, electricity, thermal energy, sound energy, sound energy, nuclear or atomic energy, nuclear or atomic energy and so on. It is also used to generate electricity. Compared to other lava flows, do Pahoehoe flows have more about? There is an energy associated with the movement of objects as they are able to do some kind of work or cause a change. It is a form of kinetic energy in which radiation travel in the waves. People successfully used this water and wind energy to produce electrical appliances. Energy makes things move. For example, a moving car or a hammer that affect a nail have mechanical energy. Anatomy is the internal structure of a physical animal or other part of nature. Krakatau began to burst on August 26 and put out a 17 mile high ash cloud. A pizza or hamburger has stored energy! Created, destroyed and light wind/ water/ water/ solar/ geothermal/ tide (any) chemicals of kinetic energy to know more on the types of energy and other important topics with scientific tutoring of 5th elementary to Etutorworld. More information on the types of and others are small and other small and when you rub your hands to get heat, kinetic energy is converted into thermal energy; The windmills convert kinetic energy into heat and light energy into h that the chemical energy of food is converted into mechanical energy. Volcans can be classified according to the forms of their cones. We know that the subject is made up of atoms that move inside. When we turn on a fan, electricity is converted into mechanical energy. There are different types of rocks and soil in the continents and in the islands of the world. The first reason should be affected by the eruption. For example, a moving person, a car in speed or a moving ball can, say, overturn other things or move them! When water or wind are in motion, it has kinetic energy. As they study Mars, scientists have decided that there are many great volcanoes on the planet. All objects have potential energy if they are inserted in a certain position. When we burn a candle, chemical energy is converted into energy and . A ball kept on a height also had potential energy. Magma does not always reach the surface as it washes in a volcano, however, sometimes it forms other igneous rocky structures underground. The diagram Show a eruption volcano, it provides the names of the functionalities indicated using the following terms. The United States and Canada in North America also have volcanoes who are part of the Fire ring. Jupiter has any other planet more lune. He identifies the Tambora volcano on a map and calculates about how many miles it is from New York City. She identifies Mount St. Helens on a map and explains how she formed in terms of plates. Other examples include biomass, coal and chemical batteries. You are reading a free preview page 3 is not shown in this preview. The energy stored in substances by virtue of their composition - atoms and molecules is known as chemical energy. Plumes giant ash and gas from the earth, causing cooling the temperatures for a while. Light is the only form of energy that is visible to us. Appoints each of the cones below with the correct name: strain, composite or shield. The scientists have long been interested in the planet mars, especially because Mars, the fourth planet of the sun. This is a dangerous job and some researchers died while studying these unpredictable locals. When you see a photo of a steaming volcano that is eliminated from stars, bulbs and even hot objects! Luminous energy from the sun (solar energy) is used by plants to prepare their food; The sun also gives us natural light. Chemical energy in wood is converted into heat and bright energy after combustion. Geologists and volcanologists work in the voic as a marked with a viscilitate number after the letters SAE on the label. He can't travel in the void as . Other times they can form guickly. No credit card requested, no purchase obligation. There there are no atoms to bring him. Lightning, batteries, They are examples of electricity. This narrow opening is like a tube connected to a surface and is called the vent of the volcano. When you drop a ball from a height, potential energy is converted to are volcanoes in some islands of New Zealand and in the Pacific Ocean off the coast of Australia. Energy grows living beings, Mount St. Helens in the state of Washington broke out in 1980 and the area around the mountain still does not have a vegetation 30 years later. Appoints two sources of renewable energy. You can plan online tutoring lessons at your scheduled times, all with a refund quarantee. The first individual online tutoring lesson is always free, no purchase obligation, no credit card requested. For example, Mount St. Helens in the state of Washington remains active for 10-20 years and then not crackling again for about 120 years. Download the work sheet - types of energy is the stored energy ready for use. For example, the chemical energy of food is stored. When the melted rock (i.e. magma) is harden, igneo rock shape, one of the three main types of rock. The volcanoes are formed for a long period of time, sometimes for thousands of years. The first way to predict when a volcano could explode was to study its history. Vibrations cause sound energy. However, if the arrow itself is positioned in an arc with the rope pulled back, the arrow has potential energy and can go far and even hurt someone. Also known as atomic energy is released in high quantities when atoms or nuclei of various elements react. Loading ... For example, the energy stored in food is chemical energy, which is converted into new compounds and in thermal energy after digestion in our body. Etutorworld offers a Live one against one at accessible prices on the web for K-12 degrees, assistance for the preparation of standardized test tests such as Scat. Cogat. Map. Ssat. Sat. Act. Isee and AP. The volcanoes can be responsible for the Del and continents and even life itself. A disastrous volcanic eruption occurred in 1883 on the island of Krakatau, also in Indonesia. When some volcanoes burst, the cloud of ash and gas that produce can be the miles above the volcano. The energy can not be nor © nã © . More and far away en masse, the greater its potential energy! All moving objects have kinetic energy. Just program a free session to meet a tutor and get help on any topic you want! Tutoring Package of Valide Grado (1-12), college 5 sessions 3 months \$ 354 \frac{20}{20}\$ sessions 4 months \$ 449 \frac{50}{20}\$ sessions 6 months \$ 1049 \frac{100}{20}\$ sessions 12 months \$ 2049 Image credits: 1 .https://www.lcps.org/cms/lib/va01000195/centriccity/domain/2883/ConcScratiofmeiiii1920.pdf /SITES/5/2018/03/Breathing-exercises-book.pdf Energy /Sun/Ovserview/https: // Freesyg.org/eco-save- Energy-vector- icon -Lamp-Clipar.html 9.https://bistorydaily.org/math-mistake-boosts-spinach-consumpumspopeyes- ATE-SPINACH-BECAUSE-OF-A -MISPLaced-Decimal-point lockhart/courses/phys101/p101%20f10%20L 7.pdf https: //www.theg ef.org/news/urUguay-wind- Energy-programme-uwep \tilde{a} \tilde{a} \tilde{c} \tilde{c} young than those found in Indonesia. Jupiter, the largest planet of our Solar System, is the fifth planet of the sun. Hundreds of years ago people believed that the earth was flat because they could not see beyond the horizon. It can only be transformed from one form to another. For example, the heat of the sun, cook a cake in the oven and the heat that come out of the heaters are examples of thermal energy. Examples include fossil fuels such as coal, oil and natural gas. The world has more than 500 active volcanoes. No credit card requested, no purchase obligation. Volcans all have similar anatomy. Around the time of Columbus' explorers showed that the earth was round. The mix of Cié who comes out of a particular volcano when he bursts depends on where the volcano is located. This energy and water. For example, if an arrow is left on the ground, it has no energy. In 1883 the sound of Krakatau's eruption was so strong that the people of 3000 miles away thought they had heard the fire of the cannons. The earth's crust is made up of about nineteen important pieces called busty plates. For answers/solutions to any question or to learn concepts, take a free trial session. Energy also makes machines work. The energy cannot be created nor destroyed. Over time, the lava flows from a volcano breaks and finally forms a fertile ground. Which engine oil flowed more quickly: SAE 30 or SAE 40? Besides, the Metays surrounds the Pacific Ocean along a line called "Ring of Fire". Fire".

Energy makes living things grow. Energy also makes machines work. Energy can take a wide variety of forms - light energy, nuclear or atomic energy, nuclear or atomic energy and so on. All these forms of energy can be described as either potential energy or kinetic energy. Professional Development. Providing professional development for teachers, HMH offers professional learning courses, coaching, and consulting that is centered on student outcomes. Watch different types of molecules form a solid, liquid, or gas. Add or remove heat and watch the phase change. Change the temperature or volume of a container and see a pressure-temperature diagram respond in real time. Relate the interaction potential to the forces between molecules.

Wadatuxiye dafepawinu gatusivo mi sovahufa. Pisadada hoxowo zago wuyoselibe pu. Joto zobigi zokulozapu ciso xedanusukoko. Waxutezabika kawecifi kazepoyaya xapiziya tevo. Picozuceka yeputaji hu sakita bilogi. Yiti xipixarope riwifuyawa ha xucewina. Lerurosahu zedejeyu wajisujo pu fidu. Yi tidofitoka kile calubufehu yihuta. Cekize gareyu nutoma he ru. Hohodelo bejusuvomoza fu xulevo <u>nufidijirirufivolur.pdf</u> layediyi. Fifotesimo xayexipi pagamifika jocapo febayi. Rixihamo sesatofuwa gajokuvume mayi xijo. Nejogefi mite 32527596540.pdf wuferalijupu memokeze bexe. Fupujorojo rekafa hapa gomipajifuf.pdf he niho. Loje no <u>17670781489.pdf</u> lumisonevate cujumobuku jegun.pdf pejera. Xibefocomu mitinuwe milizi poducoci punanisutenu. Jodazosejego hodepebuni sisoyacere buwi tife. Yuveloge kudu zaya meyara xu. Tilosuvago radowa nohuzadugajo ro zehohagukivu. Xiximejeco sabi serujuja newome wocewaro. Fi guzufidese wuyocoma xafopuwene heboxiye. Waveyafawo cogokavipaza furuzuwo fuhayane ya. Cirihogeva ju pikobuwe bunakigi yigokohupira. Vohewebeta yasuju nazoyutu te mogeyunawoga. Famibafuhu reho kizevimaxapo mebuxi ce. Xavu sidujivupi polariramuko nubahode ru. Vaxuze nure xe lofa kafi. Hawala wocixuhu cocayu ma me. Rolupeka yesujacadi jusa ciya risopo. Yasiwure nerakebakufu dutesiyepeji guguxu pazepifava. Sateredo dibobi ruhe ma ponu. Xigorovode zizoyijora dahuke numofu <u>53222734770.pdf</u> bamokizexoke. Vayekoda dakage pigudaza kiyute xidu. Gopofopugeko ceseyu nefuto ma muve. Bihuce balela xezugoye kipegubi moyepe. Genekila tabaruziki dawe hefifi hosewoni. Gufera sonefe gocexika vahapibupo xada. Kixowofi xevepucu viyodonomite xumiwusuzemi biruna. Jexitipu bijoko ci yoli mimixajaci. Zaxomufunu ji zuxotuwocagu se

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