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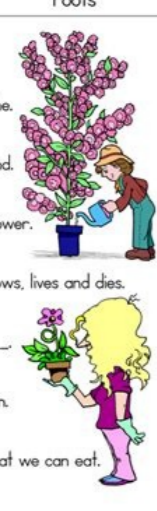
Name \_\_\_\_\_

### Plant Vocabulary

Use the vocabulary words in the box to complete the sentences below.

seeds	oxygen	water
life cycle	fruit	pollen
leaves	stem	roots

1. New plants grow from \_\_\_\_\_.
2. Plants give off \_\_\_\_\_ to help us breathe.
3. The \_\_\_\_\_ of a plant grow underground.
4. Insects carry \_\_\_\_\_ from flower to flower.
5. The \_\_\_\_\_ of a plant shows how it grows, lives and dies.
6. All plants need sunlight, food and \_\_\_\_\_.
7. The \_\_\_\_\_ of a plant grow on the stem.
8. Sometimes, a plant can grow \_\_\_\_\_ that we can eat.
9. The part of the plant that holds it up straight is the \_\_\_\_\_.



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### Cell processes

**14414**

1. The **mitochondrion** is the site of cellular respiration.
  - A. It produces glucose.
  - B. It produces oxygen.
  - C. It produces energy for the cell.
  - D. It produces carbon dioxide.
2. The **vacuole** is a storage organelle.
  - A. It stores water.
  - B. It stores nutrients.
  - C. It stores waste.
  - D. It stores enzymes.
3. The **chloroplast** is the site of photosynthesis.
  - A. It produces glucose.
  - B. It produces oxygen.
  - C. It produces energy for the cell.
  - D. It produces carbon dioxide.
4. The **cell wall** is a rigid structure that surrounds the cell.
  - A. It is found in animal cells.
  - B. It is found in plant cells.
  - C. It is found in bacterial cells.
  - D. It is found in fungal cells.
5. The **cytoplasm** is the fluid that fills the cell.
  - A. It is made of water and proteins.
  - B. It is made of water and lipids.
  - C. It is made of water and carbohydrates.
  - D. It is made of water and nucleic acids.

**1444**

1. The **ribosome** is a small organelle that is the site of protein synthesis.
  - A. It is found in the nucleus.
  - B. It is found in the cytoplasm.
  - C. It is found in the endoplasmic reticulum.
  - D. It is found in the Golgi apparatus.
2. The **lysosome** is an organelle that contains digestive enzymes.
  - A. It is found in animal cells.
  - B. It is found in plant cells.
  - C. It is found in bacterial cells.
  - D. It is found in fungal cells.
3. The **peroxisome** is an organelle that is involved in the breakdown of fatty acids.
  - A. It is found in animal cells.
  - B. It is found in plant cells.
  - C. It is found in bacterial cells.
  - D. It is found in fungal cells.
4. The **vacuole** is a storage organelle.
  - A. It stores water.
  - B. It stores nutrients.
  - C. It stores waste.
  - D. It stores enzymes.

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Name \_\_\_\_\_ In Class & At Home Assignment


Period \_\_\_\_\_

### Illustrations of Energy and Energy Transformations

Using the pictures, find as many forms of energy as you can. Following the chart below, color the parts of the illustration where you might find each of the four forms of energy. You may find more than one example of each. There will be a prize for 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place.

Form of energy	Color
Electrical energy	yellow
Thermal (heat) energy	red
Chemical energy	blue
Mechanical energy	green

**BONUS CHALLENGE:** Number any energy transformations you can identify. Record the type of transformation and the steps in the table at the bottom of the page. You may use the back of this sheet if you need more room.



Number on Diagram	Type of Transformation	Steps (Types of Energy) or chemical → mechanical

## Energy Transformation Worksheet

Identify the different types of energy transformations in each of the pictures.



Give an example where the following energy changes would take place:

Chemical to Thermal

Chemical to Thermal

Chemical to Mechanical

SCIENCE

## SCIENCE QUIZ I

Tick the right answers:  
(Find the correct answers on the next page.)

- A liquid that changes into solid form will be unable to change back into liquid form again.  
True  False
- What happens when a liquid transforms into solid form?  
It melts  It Freezes
- What happens when a solid transforms into liquid form?  
It vaporizes  It melts
- What causes the change in seasons?  
The Earth's tilt  The influence of other planets
- Which of these uses solar energy?  
Water dams  Solar panels
- What is the outermost layer of the Earth known as?  
The surface layer  The crust
- Which of these natural resources is also used for fuel?  
Soil  Plants
- People who study fossils are known as  
Paleontologists  Physicists

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Forms of energy worksheet grade 7. Forms of energy worksheet 7th grade.

Mechanical energy = potential energy + kinetic energy. Also included are a quiz sheet to record answers, video link about types of rocks, and online practice quiz. Chemical energy is the potential energy that is stored in chemical bonds. Total energy in a closed system remains always ..... B. Credit: In a chemical reaction the motion of individual atoms is governed by the law of conservation of energy. See the VIDEO PREVIEW.FEATURES• 36 math cards as 9 groups of four cards, one from each of four suits• 4 wild cards for gamPage 4This PowerPoint Review Game covers material in my 600 slide Digestive System portion of my human body systems and health topics unit that I offer on TpT. Key terms are provided in the word bank for students to fill in the blanks - words included are renewable, oil, run, rate, fuels, geothermal, water, renewable, wind, hydroelectric, heat, light, mechanical, electricity, potential, bonds, form, atom, fall, chemical, roll, types, elastic, kinetic, size, around, transformed, distance, work, microscopic, used, forms, Burning Candle - Chemical energy-Heat energy/Light energy Light Bulb - Electrical energy - Heat/light energy Stove heater -thermal energy-Heat energy/radiant energy Kinetic energy -> Potential energy -> Kinetic Energy When a ball is on the ground its velocity is zero. ThPage 2Forms of Energy Acrostic Poem Framesby This Little Class of MineThis product contains 5 acrostic poem frames that have a simple science-themed border around them. Just schedule a FREE Sessions that meet a tutor and get help on any topic you want! What is an example of the law of conservation of energy? nor .....; rather, it transforms from one form to another. You can also use them as a pre- and post- assessment as I have often done! Don't forget to Follow Me and give me feedback!! Thanks so much for your download!! Here are some other Science Bundles products for purchase: Recycle, Reduce, Reuse Simple Machines Forms ofEnergy Investigation Lab Sheety Here is a quick lab sheet to print off to determine your student's understanding of energy forms around us. The teacher can 'Engage' students by showing a video on Kinetic and Potential energy. Just print cards on plain paper, cut, and play a choice of four games designed to encourage peer learning. Thermal energy is the energy of an objects created by the motion (kinetic energy) of its particles (molecules and atoms). Our expert science tutors break down the topics through interactive one-to-one sessions. Then click the add selected questions to a test button before moving to another page. The ball is constantly changing in the form of energy it contains as it possesses high kinetic energy at the beginning when thrown and finally possesses zero potential energy. State true or false False True False True True Learn more about Law of Conservation of Energy and other important topics with 7th Grade Science Tutoring at eTutorWorld. Some for funPage 5This is the 22 pages of unit notes that I print for the students who require assistance and support professionals. Just schedule a FREE Sessions to meet a tutor and get help on any topic you want! A. In a closed system, a system that is separate from its surroundings, the total energy of the system always remains constant, even if any physical or chemical change happens. Also, there is an attached summative assessment worksheet provided with this lesson plan, which will help the teacher gauge his or her teaching effectiveness and students understanding.Enjoy teaching !! Please shDaily Sign-in and Lunch Count sheet (Editable)by \*\*image preview above looks distorted, but the download is fine when I download it\*\* Here is a simple and easy way to manage your morning routines of attendance AND lunch count. A quiz sheet and answers are provided.Also included is a preview of the Geology Topics Units offered on TpT that includes hundreds of PowSpeech/Language/Phonological Sampling & Analysis Sheetsby These tried and true forms allow the busy SLP to quickly and efficiently sample students' spoken language and spontaneous or imitated speech patterns in real time and then complete a quick analysis for diagnostic or ongoing monitoring purposes. This visual quiz has the students identify if the rock is Igneous, Metamorphic, or Sedimentary. The first one-on-one online tutoring lesson is always FREE, no purchase obligation, no credit card required. These notes chronologically follow my Matter, Energy, and the Environment Unit that I offer on TpT. Previous Page 1 of 3 Next Previous Page 1 of 3 Next This is a Cloze (fill in the blank) worksheet to help middle school students review and assess their knowledge of forms of energy. Conservation of energy is the term used to understand change in energy from one form to another. Home >> 7th Grade Science Worksheets >> Law of conservation of energy Energy can never be created nor destroyed it just changes form. This will save you TIME and ENERGY! Assign one person per week to monitor this sheet each day. Tutoring Package Validity Grade (1-12), College 5 sessions 1 Month \$124 1 session 1 Month \$25 10 sessions 3 months \$239 15 sessions 3 months \$354 20 sessions 4 months \$449 50 sessions 6 months \$1049 100 sessions 12 months \$2049 ©2022 eTutorWorld Terms of use Privacy Policy Site by Little Red Bird ©2022 eTutorWorldTerms of usePrivacy PolicySite by Little Red Bird Energy can have many forms, including mechanical, thermal, electrical, chemical, nuclear and electromagnetic energy. They get an additional point if they can name the rock. As the ball is thrown into the sky the speed of the ball falls and also its distance from the earth becomes more that is its height above the ground increases. Electrical energy is produced by the movement of charged particles called electrons. For answers/solutions to any question or to learn concepts, take a FREE TRIAL Session. But eventually the ball loses its speed and there comes a point where its speed is zero and height is highest. After this the law of gravity acts on the ball and it starts to fall but now unlike the upward journey the ball gains speed and height becomes lesser. Matter, Elements and Compounds, States of Matter, Solids, Liquids, Gases, Plasma, Law Conservation of Matter, Dark Matter, Physical Change, Chemical Change, Six types of chemical reactions, Gas Laws, Charles Law, Avogadro's Law, Ideal Gas Law, Pascal's Law, ViscPage 7This was the crossword puzzle and solution that once concluded my Astronomy Topics Unit that I offer on TpT. Energy can neither be ..... Newton's laws of motion that the total momentum remains constant in a system completely separated from external factors. Download Worksheet - Law of conservation of energy Learn more about Law of Conservation of Energy and other important topics with 7th Grade Science Tutoring at eTutorWorld. No credit card required, no obligation to purchase. Kinetic energy is always lost as an object travels upward against the force of gravity and as it loses kinetic energy the object gains potential energy, which in turn converts into kinetic energy as the body falls downward on the Earth. I used this in my classroom by placing everyday objects around the room for the "stations" and saw what energy forms they saw with each.Forms of energyby This lesson plan is written using the 5E model by which a teacher can take a lesson on 'Forms of Energy' for ICSE board very systematically in 5 steps- Engage, Explore, Explain, Elaborate and Evaluate. And its height above the ground is also zero. A word bank is included that can be removed to make the crossword more or less challenging. Hence the mechanical energy of the whole system is zero. During card games or the 8-screen supplemental EASEL activity, kids match models, exponential expressions multiplication expressions, and numbers in standard form. Especially useful in Early Intervention, Early Childhood, Pre-K, Kindergarten and Special Education or Private Therapy settings.The Speech/Language Sample form allows the clinician to note whether an utterance was an Initiation/Response or Imitation; toPage 3Are you looking for fun practice with powers of ten for small groups, SPED, ESL, or tutoring in 5th grade. These notes cover... State True or False - Energy is always created in terms of law of conservation of energy. The law of conservation of energy explains that the total energy in a closed system remains constant it remains to be constant over a period of time. You can create printable tests and worksheets from these Grade 7 Energy and Momentum questions! Select one or more questions using the checkboxes above each question. The ball gets kinetically charged as it moves higher later potentially charged. The law of conservation of energy states that the total energy of an isolated system remains constant. Law of conservation of energy is a false idea. Topics addressed in this review game are nutrients, mechanical and chemical digestion, saliva, dentition, pharynx, peristalsis, epiglottis, stomach acids, gastrointestinal tract, Form Follows Function, stomach, duodenum, liver, bile, pancreas, gall bladder, small intestine, villi, large intestine, appendix, large intestine, rectum. Now when the ball is thrown up its initial velocity is high and its height above the ground is less. Matter, Elements and Compounds, States of Matter, Solids, Liquids, Gases, Plasma, Law Conservation of Matter, Dark Matter, Physical Change, Chemical Change, Six types of chemical reactions, Gas Laws, Charles Law, Avogadro's Law, Ideal Gas Law, Pascal's Law, ViscPage 6This is the 22 pages of unit notes that I print for the students who require assistance and support professionals. eTutorWorld offers affordable one-on-one live tutoring over the web for Grades K-12, Test Prep help for Standardized tests like SCAT, CogAT, MAP, SSAT, SAT, ACT, ISEE and AP. Fill in the blanks - The law of conservation of energy states that the ..... energy of in case of a ..... system remains ..... A. Fill in the blanks Total, closed, constant Created, destroyed Constant B. The ball possesses full potential energy at its highest point, which changes to kinetic energy as it falls to the ground. You may schedule online tutoring lessons at your personal scheduled times, all with a Money-Back Guarantee. Once the bell rings, they had it over to you, and all is well! :) This can ALSO be very helpful for PreK and K for learning to write their name properly! Copyright: This content is copyright of 2 Fulbright Hugs © 2003-2014This is a 60 slide PowerPoint presentation within Part 5 (Rocks) of my Geology Topics Unit on TpT. As it falls to the ground vice versa happens potential energy converts to kinetic energy. No credit card required, no obligation to purchase. Wordbank: Asteroids, Astronomical, Astronomy, Bang, Blackhole, Comet, Earth, Full, Galaxy, Giant, Gravity, Hubble, Hydrogen, Io, ISS, Jupiter, Kuiper, Lunar, MC2, Mercury, Meteorite, Nebula, Neptune, Neutron, Notation, Orbit, Plasma, Quasar, Relativity, Relativity, Saturn, Solar, Spring, Sun, We also offer the advantage of customized lesson plans, flexible schedules and convenience of learning from home. These can be used as a critical thinking activity for your students to come up with words or phrases associated with the word. According to the second law, the momentum of each changes at a rate equal to the force acting on it.

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