



More Energy Transformations

Even though energy is a vital part of our everyday life, it is not well understood by most people. Unlike, matter, energy cannot be directly seen or touched. However, when changes in matter occur, whether the changes are physical or chemical, energy is involved. So, when a race is run, a cake is baked, or a bell rings, you can be sure that energy was involved in the change.

Energy cannot be created or destroyed, though it can be changed or transformed. That is really what we mean when we say we are using energy. We change one form of energy to another. These changes are called transformations.

Materials: scissors, glue, 10 Pictures for Energy Changes Form

What To Do:

1. Cut out the ten pictures and dispose of your trash properly.
2. Using the choices from the Word Bank, label each picture as one of the given forms of energy.
3. Analyze the possible relationships between the forms of energy represented in each picture.
4. Use reasoning to pair up the pictures to show one form of energy that changes into another.
5. Glue the pictures onto the next page, making sure the arrows are showing a logical sequence

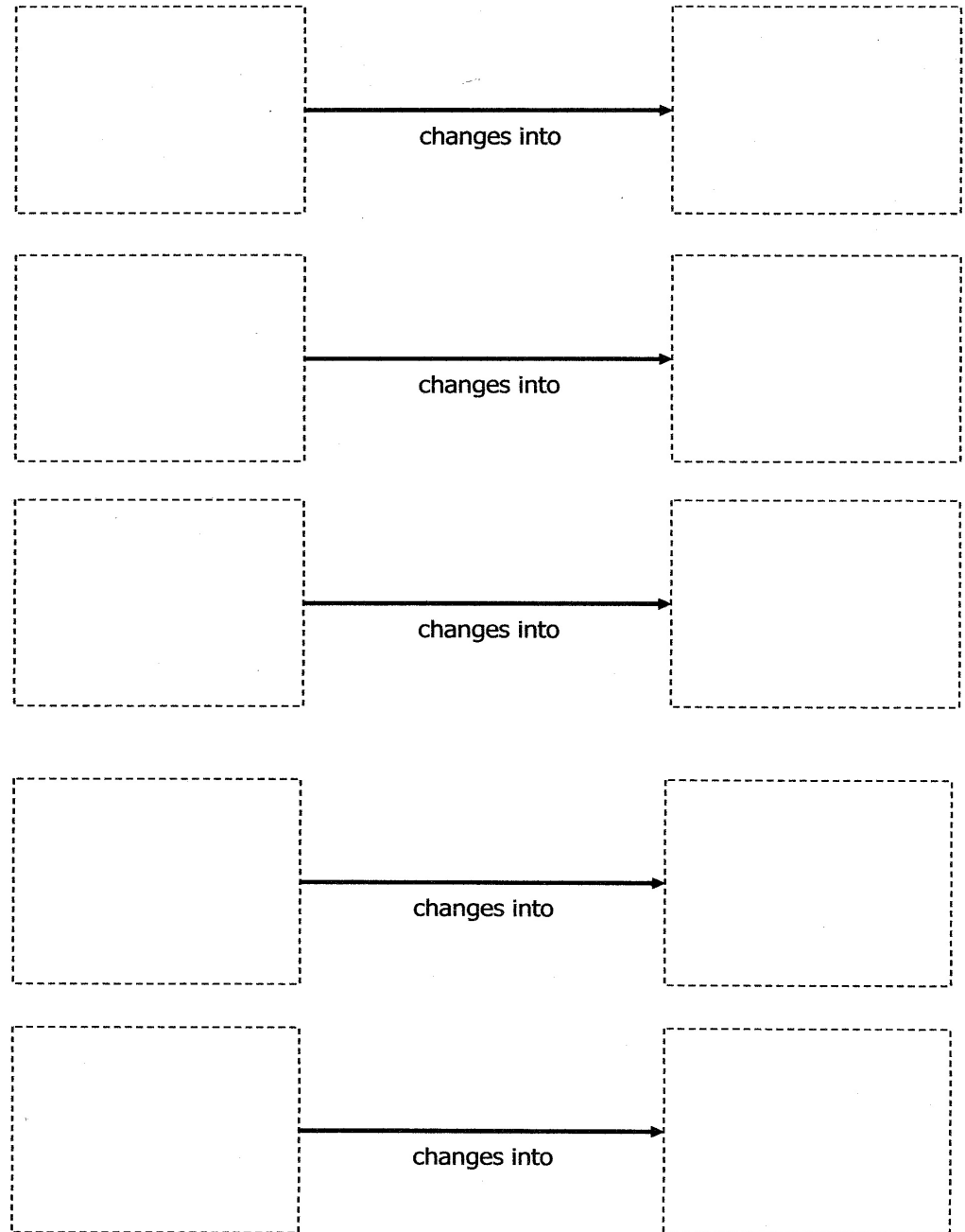
Word Bank

Use each choice once:

Chemical Energy
Chemical Energy
Chemical Energy
Chemical Energy
Electrical Energy

Radiant Energy
Radiant Energy
Mechanical Energy
Mechanical Energy
Thermal Energy

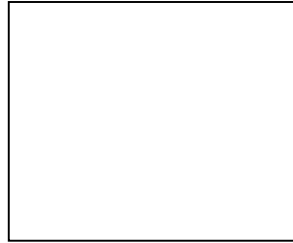
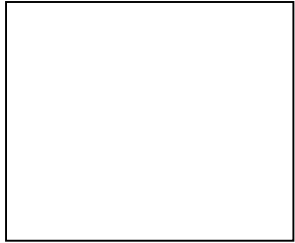
Energy Changes Forms





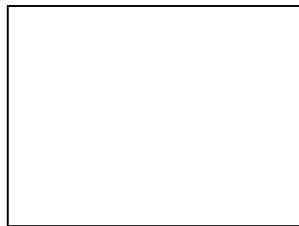
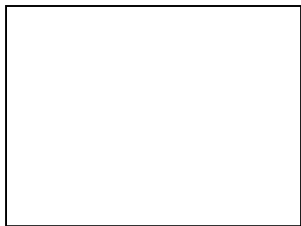
Watch the video segment “Radios: Transforming Sound Energy into Electrical Energy” found on www.missdoctorbailer.com

Draw and label the energy transformation you observed in the video in the space below.

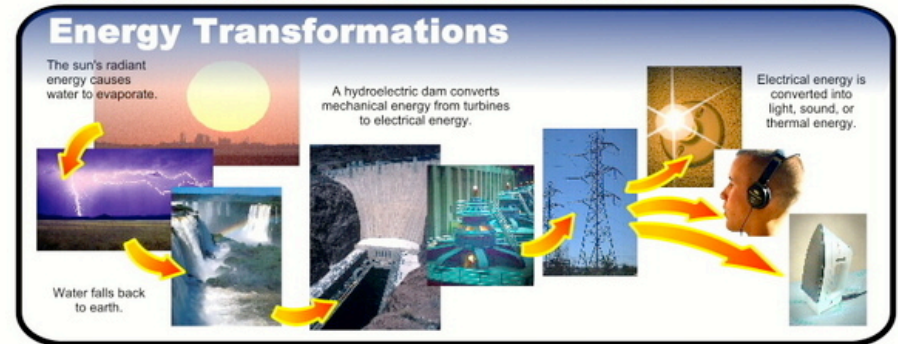


Watch the video segment :Transferring Electricity into Sound” found on www.missdoctorbailer.com

Draw and label the energy transformation you observed in the video in the boxes below.



Label the types of energy shown in the pictures below.





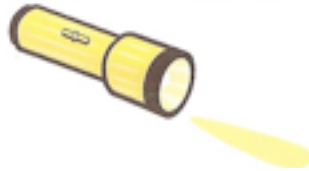
Name _____ period _____

EXIT TICKET

More Energy Transformations

Label the type of energy that is shown in each transformation below.





Conclusion: (transformations, energy, touched, matter, changing, chemical, form)

_____ cannot be seen or directly _____. Physical and _____ changes in _____ are caused by energy.

When we use energy, we are _____ it from one _____ to _____her. These changes are called _____.

Name _____ period _____

EXIT TICKET

More Energy Transformations

Label the type of energy that is shown in each transformation below.





Conclusion: (transformations, energy, touched, matter, changing, chemical, form)

_____ cannot be seen or directly _____. Physical and _____ changes in _____ are caused by energy.

When we use energy, we are _____ it from one _____ to another. These changes are called _____.