Name: _____

Energy Transformation

Energy is the ability to do work or cause change. Energy cannot be created or destroyed. Instead, it changes forms. This transformation is called conversion.

Each scenario mainly describes one form of energy converting into a different form. Use the words in the bank to identify the forms of energy in each conversion.

chemical	electrical	heat	light	mechanical	sound

1. Soren recharges his batteries by plugging them into a power outlet.

_____ energy is converting into _____ energy.

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_____ energy is converting into _____ energy.

4. Strong winds spin a large turbine. This generates power for several nearby houses.

_____ energy is converting into _____ energy.

5. It is a very sunny day in Dion's town. He goes outside barefoot, but he nearly burns his feet on the pavement.

_____ energy is converting into _____ energy.

6. Krystal's band is playing a song in her garage. She sings into a microphone that records her part.

_____ energy is converting into _____ energy.

ANSWER KEY

Energy Transformation

Energy is the ability to do work or cause change. Energy cannot be created or destroyed. Instead, it changes forms. This transformation is called conversion.

Each scenario mainly describes one form of energy converting into a different form. Use the words in the bank to identify the forms of energy in each conversion.

chemical	electrical	mechanical	sound

1. Soren ... a power out...

_____ energy is converting into _____ energy.

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_____ energy is converting into _____ energy.

4. S... in a large turbine. This gen... or several ne...

Mech... electrical energy.

5. It is a very sunny day in Dion's town. He goes outside barefoot, but he nearly burns his feet on the pavement.

Light energy is converting into heat energy.

6. Krystal's band is playing a song in her garage. She sings into a microphone that records her part.

Sound energy is converting into electrical energy.

TL