

Energy Transformation

Energy _____ disappears. It can be _____ from one type of energy into another, but it doesn't disappear completely.

Some common energy transformations:

1. Chemical energy

Planes and cars transform the chemical energy in f _____ and p _____ into m _____ energy and t _____ energy.

We fill our cars with p _____, which contains c _____ energy that is then transformed into m _____ by the engine.

We also transform chemical energy into h _____ and m _____ when we eat. The f _____ we eat contains chemical energy and our m _____ and o _____ transform the energy into heat and movement.

2. Electrical energy

Washing machines, fans and electric drills transform electrical energy in to k _____ and t _____ energy. We connect these machines to the power supply and the energy is transformed into m _____ and h _____.

A washing machine transforms electrical energy into m _____ energy to spin clothes around.

3. Light energy

S _____ panels transform light energy from the Sun into e _____ energy.

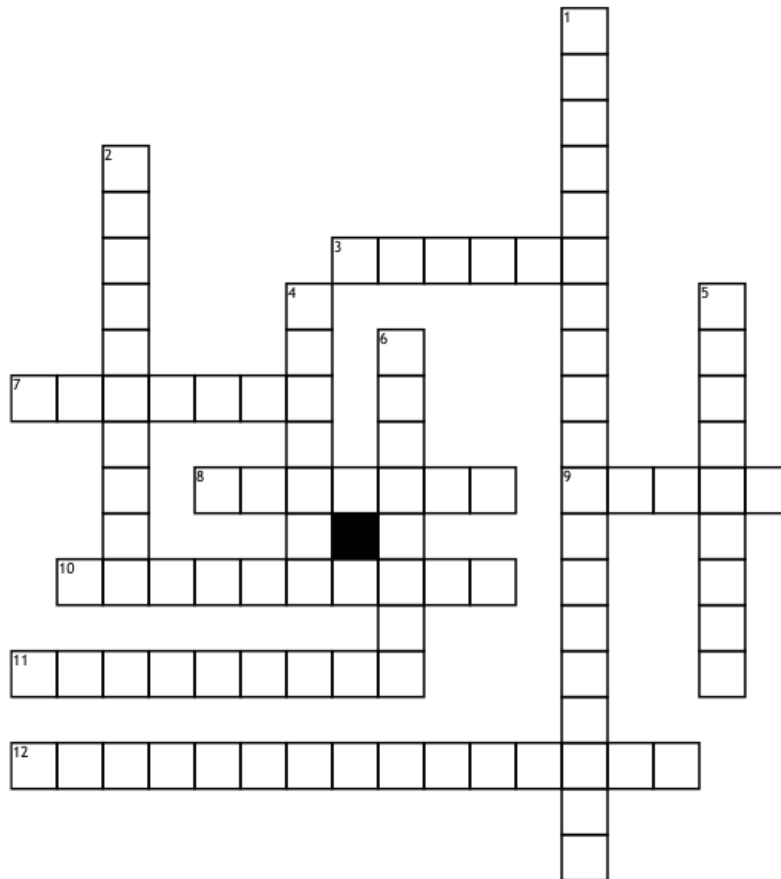
The solar panels on street _____ receive l _____ energy. When it gets dark, the street _____ switch on.

4. Energy in food

The c _____ energy stored in food and drink is measured in c _____. The more c _____ in food, the more e _____ it contains.

Name: _____ Date: _____ Period: _____

energy transformation



Across

- 3. the strength and vitality required for sustained physical or mental activity.
- 7. energy of motion
- 8. keep hot or cold in a oobject
- 9. energy in a vibrating matter

Word Bank

mechanical
energy
sound
potential

10. energy in moving electrons

11. energy of a position

12. form of energy transmitted through electrical waves

Down

1. process of changing transformation energy from one form to another

2. the sum of potential energy and kinetic energy

4. energy that comes from changes in the nucleous of a atom

5. do not use their energy until they move

6. energy stored in bonds

potential
chemical
thermal
energy transformation

kinetic
electrical
nuclear
electromagnetic

