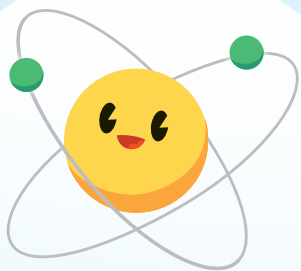


Let's go on an adventure!



Hi! I'm LumiSM, your virtual energy coach. Will you help me track down all the ways I can conserve energy to be more energy efficient ?

Simple changes can make a BIG impact.

I want to help you make choices to be energy smart in your home, school, and even while playing. Some things only your parents can do, but there are lots of ways you can help out too.

First, do you know what energy is?

Energy is the power behind making things work like your lights, air conditioning, microwave, televisions, computers, phones, and tablets! The energy is created in different ways and then changed into electric energy.

I'll bet you're wondering where energy comes from?

Electricity begins with atoms. You can't see atoms, but they are tiny little particles that make up everything around us. The center of every atom contains things called protons, neutrons, and electrons.

Electrons are very active—moving quickly around the center of the atom. Power plants can force electrons to move between different atoms. This movement of electrons from atom to atom creates electricity—and that's the energy that you ultimately use to turn on your lights and cool your homes.

Energy is there all the time!

Anything that is plugged in is using energy—even when turned off! This is called **Phantom energy**.

A lot of energy is wasted when we don't unplug unnecessary electronics.

As your virtual energy coach, I want to help you learn good energy savings habits so you can start making a difference now—and help others do the same! When we reach the end of our adventure you'll know even more about where energy comes from. You'll be able to show your family how using less energy saves money every single month! And, you'll be saving our natural resources which keep the earth safe and beautiful.

FUN FACTS

⚡ Charge yourself up!

When electricity gathers in one place and doesn't move it's called static electricity. This happens when you rub things together. Try rubbing a balloon across your clothes. It will stick to you because you just charged yourself up with static electricity!

⚡ As fast as light!

Electricity travels at the speed of light, which is 186,000 miles per second. If you could travel as fast as electricity, you could go around the earth 7 times in 1 second. Now that's fast!

⚡ What's a watt?

A watt is a unit of measure that tells you how fast the electrons inside electricity are moving around. When you know how many watts you use you can calculate how much it costs to power all your devices, appliances, and lights in your home.

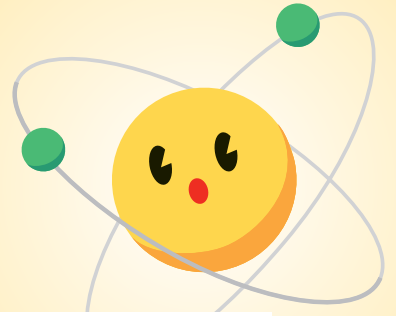
BGE

An Exelon Company

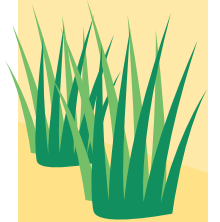
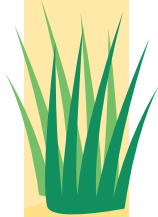


The search is on!

Oh no! Lumi has lost all the words we learned about saving energy! Can you help find them again?



N H E B B F Z W S G B J N E N
U D I R G U L P D W B J Z U A
M Z N R A E G R A H C C M C D
S L E U F L I S S O F G E V E
E E K R C M O T N A H P G F M
N L I M U L P S L T V C F Y A
I D I H M T E G O T K I G T N
L D O C L R A A U Z C R N H D
R M N T V S K R R I E T B G M
E N V I R O N M E N T C Z I S
W V N W W O T N E P M E F L M
O G S S F V C L T V M L F C A
P P E F R Y L E W A T E R R R
V N V T H E R M O S T A T D T
A Q W A I Q A D K J E Z N O K



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|--|--------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|
| <input checked="" type="checkbox"/> Lumi | <input type="checkbox"/> Environment | <input type="checkbox"/> Light | <input type="checkbox"/> Wind | <input type="checkbox"/> Temperature |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Green | <input type="checkbox"/> Efficiency | <input type="checkbox"/> Solar | <input type="checkbox"/> Home |
| <input type="checkbox"/> Savings | <input type="checkbox"/> Power | <input type="checkbox"/> Demand | <input type="checkbox"/> Power Lines | <input type="checkbox"/> Water |
| <input type="checkbox"/> Electric | <input type="checkbox"/> BGE | <input type="checkbox"/> Turn Off | <input type="checkbox"/> Charge | <input type="checkbox"/> Thermostat |
| <input type="checkbox"/> Conserving | <input type="checkbox"/> Smart | <input type="checkbox"/> Peak | <input type="checkbox"/> Grid | <input type="checkbox"/> Fossil Fuels |
| <input type="checkbox"/> Eco | <input type="checkbox"/> Plug | <input type="checkbox"/> Phantom | <input type="checkbox"/> Switch | <input type="checkbox"/> Nuclear |

YOU DID IT!

Parents and teachers share this page with your students after they complete the word search.

