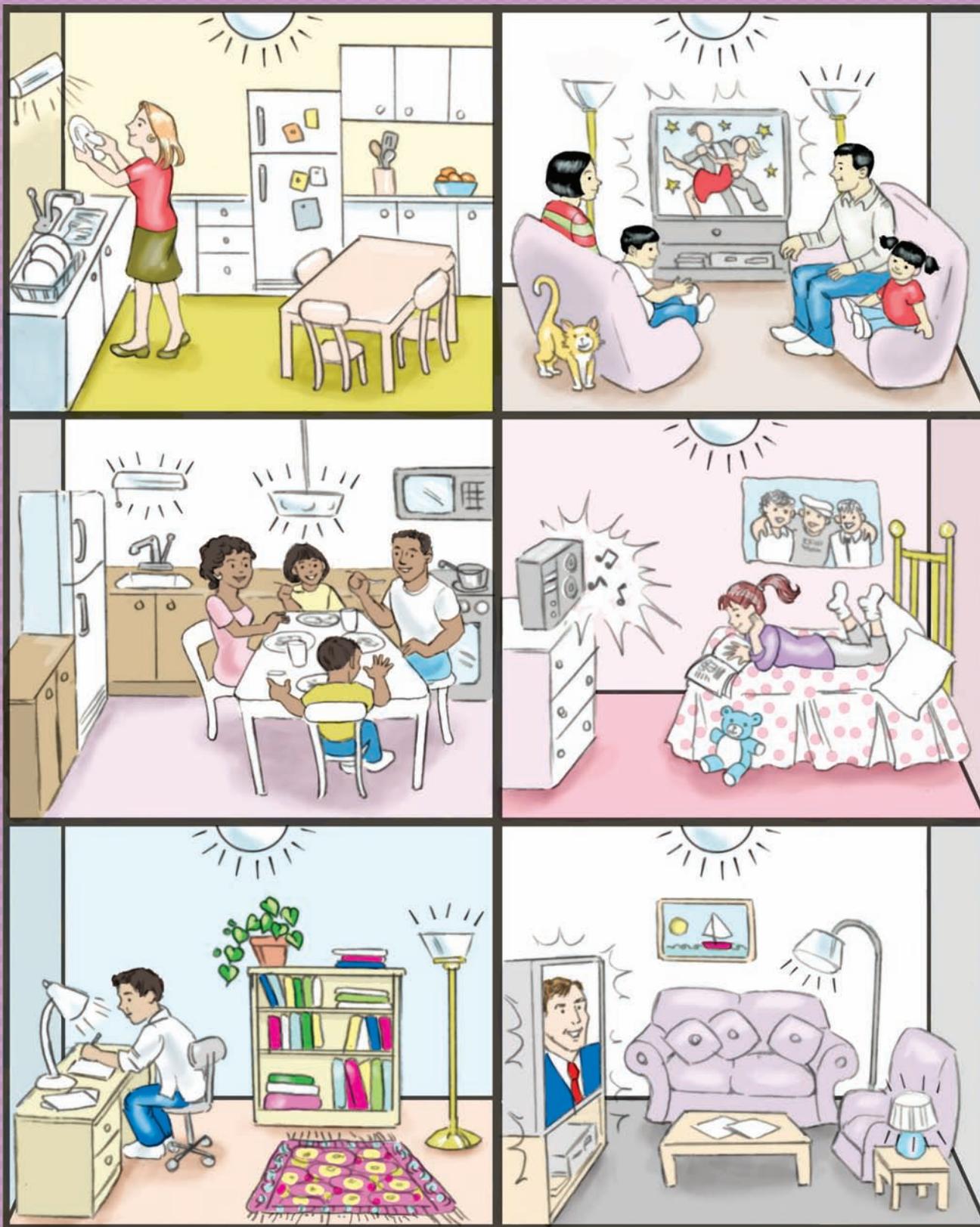


Meet Avery and His Friends



Avery and his friends are kids from New York City. They are on a mission to save our planet. They say we can all make a difference by changing to a special light bulb called a CFL. They are calling on all kids across the US to help.

How Can I Help Avery ?



Directions: Help Avery replace incandescent light bulbs with CFL bulbs by circling each light bulb with a crayon. Use a different crayon to circle the lights that have been left on.

Lights Out!



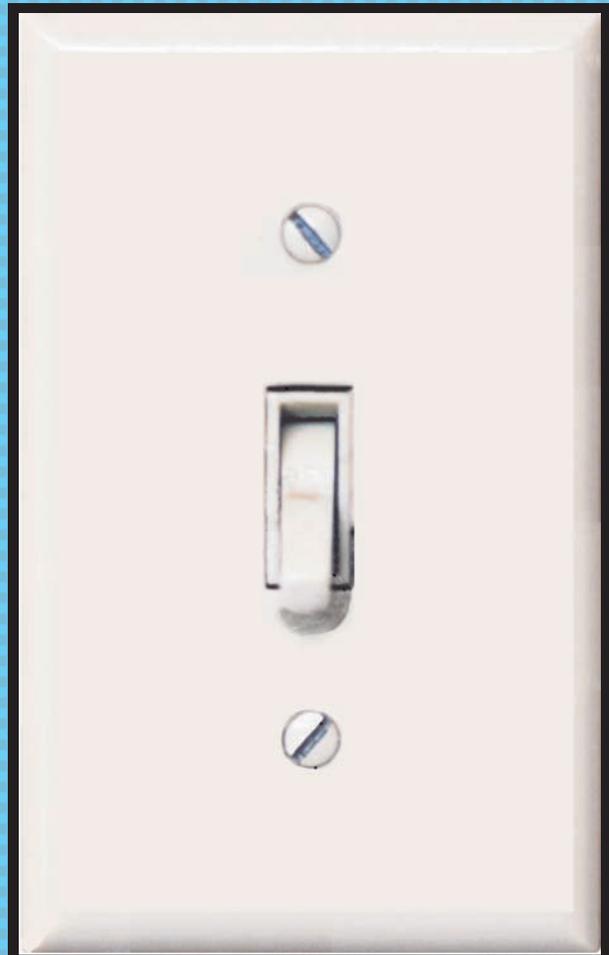
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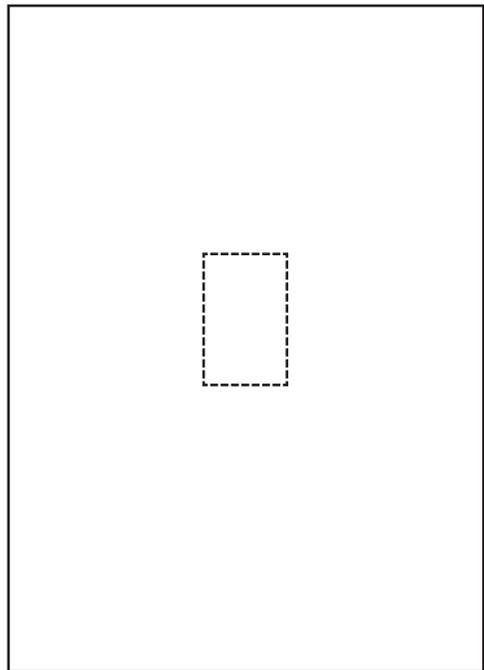
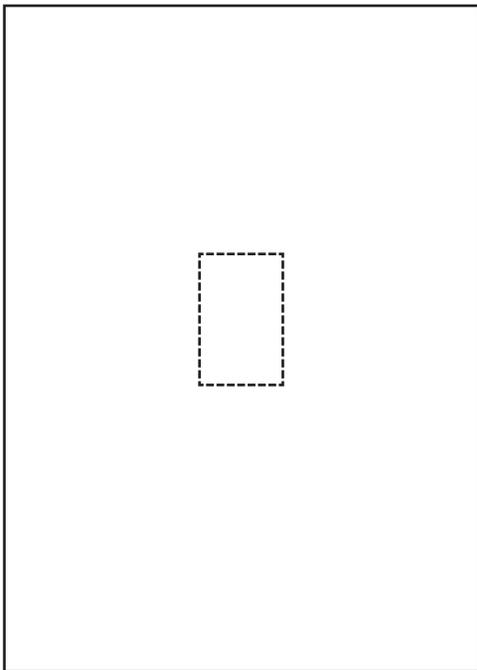
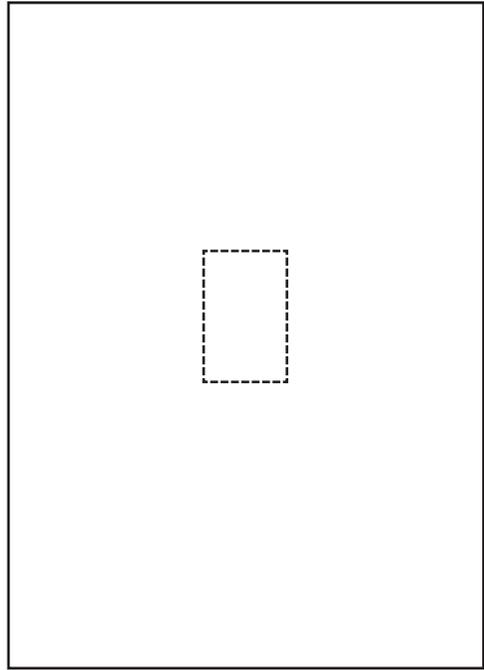
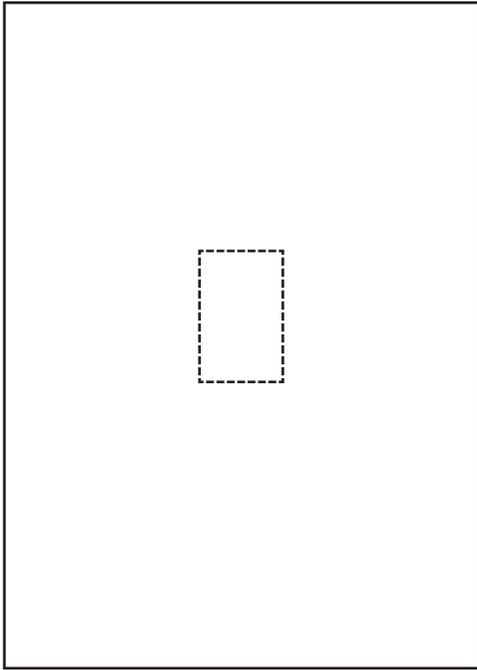
Make a light plate reminder to save energy and turn off the lights!
Use markers, crayons or glitter to decorate your light plate.
You may want to decorate with a slogan like:

Think Green! Don't Forget Me!

Turn Me Off! Am I On?

When your "Lights Out!" plate is dry, tell
a buddy what light switch you will cover with the new plate
and how you will remember to turn off the switch.







Teacher Page

Objectives:

The focus of this learning activity is on conserving electricity. Students will be able to answer the following questions:

- What does electricity do?
- Why do we want to conserve electricity?
- How can we conserve electricity?

Vocabulary: **Conserve:** Using energy without waste.

Energy: The ability to do work.

Efficient: Using less energy to do the same amount of work.

Environment: All the living and non-living things found on Earth.

Greenhouse Gas: A gas that is in the atmosphere.

Although we can't see electricity, we know it's working when we see it light up our lamps and other household items. We use electric energy to power the computer, the TV, the refrigerator, and even when we charge cell phones. Anything that needs to be turned on or charged uses electricity. Point out to students that we need electricity in our lives to help us with many things, but it is important to remember to conserve when we are not using it. When we turn off a light after we leave the room, we are conserving—or using less—energy. When we change an incandescent light bulb to a CFL, we are also conserving. Conserving energy is very important because it protects the environment from harmful gases.

Use chart paper to brainstorm a list of household or classroom appliances that use electricity. Ask students to think of items at home and at school. Remember, these include items that are plugged in directly, as well as those that are plugged in to be recharged. Keep this list posted in the classroom so that students become aware of all the electricity being used around their homes and classrooms. The list that you post might include: pencil sharpener; computer; printer; overhead light; lamps; TV; radio; refrigerator; microwave; telephone; and items with batteries that need to be charged like cellphones, MP3 players or battery-operated toys.

Service Project:

Students will create a “Lights Out!” light plate to take home, and one to give away to a family member or friend. This will remind them and others to turn out the lights and conserve energy.

Directions:

For younger children, cut out the template and trace onto cardboard before the lesson. Students will trace the template onto a sturdy material such as cardboard from cereal boxes, shoeboxes or other items that would otherwise be thrown away. Students may choose construction paper or another material to cover the light plate in order to have a clean and blank surface to decorate. Allow students to decorate with any materials they'd like. Add a slogan like: **Don't Forget Me! Turn Me Off! Am I On? Think Green!**, etc. The light plate covers can be colored with markers or crayons and/or decorated with glitter. When the “Lights Out!” plates are dry and ready to go, have students share which light switch they will cover with the new plate at home, and how they will remember to turn off the switch.

Extension:

Send students home to be *Electricity Savers*. What ways can they come up with to save electricity in their homes? Students will make note of how many light bulbs are being used in their homes and how they can help make their home more energy-efficient.

Reflection and Assessment:

Students will write a letter to accompany his or her “Lights Out!” plate in order to reinforce what they have learned about conserving electricity. The letter should explain the purpose of the “Lights Out!” plate and how turning out the lights and using energy-efficient CFL bulbs protect the environment.

For more information, go to www.relightny.com