



Turn Off the Lights!

Remembering to turn off unused lights (and appliances!) when you leave a room saves on electricity consumption.

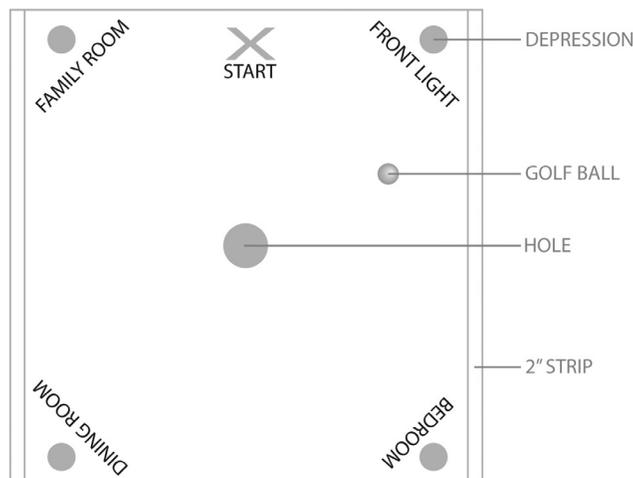
Object of the game: Roll the golf ball from “room” to “room” and then through the center of the game board to successfully turn off all the lights.

Materials:

- One 4-foot-by-4-foot piece of half-inch-thick rigid foam insulation panel (half sheet, about \$6)
- Golf ball

Setup: Cut a strip 2 inches wide from opposite sides of the board. Glue these strips to the edges of the board to keep the golf ball from rolling off the sides. Create four depressions in the foam, one at each corner, large enough to hold the golf ball but shallow enough so the ball can roll out. (A grapefruit spoon works well for this task.) Cut a complete hole in the center of the foam sheet. Decorate the foam board as shown. Don't forget to mark “start” toward the middle point of one of the open sides.

How to play: Players each hold one end of the game board. The golf ball starts on the marked spot. Players work together to tilt the board so the golf ball moves from “room” to “room.” When the golf ball has visited every room, players work to roll it through the opening in the center of the board. Players score 1 point for each room visited and a bonus of 10 points if they complete the game within 60 seconds.



EPA is celebrating 20 years (and counting) of ENERGY STAR. Over the past 20 years, Americans with help from ENERGY STAR have saved nearly \$230 billion on utility bills and prevented more than 1.7 billion metric tons of greenhouse gas emissions. So join us in celebrating Earth Week and our 20th. Visit energystar.gov/changetheworld today and tell all your friends!





Warm Up/Cool Down Automatically

Programming a thermostat correctly can save about \$180 a year in energy costs.

Object of the game: Successfully sort colored cups according to the time of day to demonstrate how a programmable thermostat automatically controls the temperature of your home.

Materials:

- 8 red plastic cups
- 16 blue plastic cups
- Black permanent marker

Preparation: Turn the cups upside-down and label them as shown in the chart, using the black marker. The number inside the cup is the answer key. The label on the outside of the cup represents the time of day and the temperature settings for the house in wintertime.

CUP COLOR	INSIDE #	OUTSIDE LABEL	CUP COLOR	INSIDE #	OUTSIDE LABEL
Red	1	6 a.m., 70 degrees	Red	13	6 p.m., 70 degrees
Red	2	7 a.m., 70 degrees	Red	14	7 p.m., 70 degrees
Red	3	8 a.m., 70 degrees	Red	15	8 p.m., 70 degrees
Blue	4	9 a.m., 62 degrees	Red	16	9 p.m., 70 degrees
Blue	5	10 a.m., 62 degrees	Blue	17	10 p.m., 62 degrees
Blue	6	11 a.m., 62 degrees	Blue	18	11 p.m., 62 degrees
Blue	7	12 noon, 62 degrees	Blue	19	12 midnight, 62 degrees
Blue	8	1 p.m., 62 degrees	Blue	20	1 a.m., 62 degrees
Blue	9	2 p.m., 62 degrees	Blue	21	2 a.m., 62 degrees
Blue	10	3 p.m., 62 degrees	Blue	22	3 a.m., 62 degrees
Blue	11	4 p.m., 62 degrees	Blue	23	4 a.m., 62 degrees
Red	12	5 p.m., 70 degrees	Blue	24	5 a.m., 62 degrees

How to play: Start with the cups randomly arranged on the table, upside-down. Players have one minute to successfully sort the 24 cups into a line, according to time of day, starting with 6 a.m. No peeking inside the cup for the answer key! The EPA estimates that if you set your thermostat for energy savings, you could save about \$180 per year (average US figures). Wow!

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Short Showers Save Gallons

A 10-minute shower uses 25 to 50 gallons of water. A typical bathtub, fully filled, holds 40 to 65 gallons of water. A short shower or shallow bath can save many gallons of water and reduce the amount of energy needed to heat the water. This activity builds awareness of how much water is used for a typical shower.

Object of the game: Cover the adult in as many gallons of “water” as possible.

Materials:

- 25 to 50 empty and clean gallon containers (milk or water jugs), caps taped on securely
- Yoga mat or similar

Setup: Lay the yoga mat on the floor. Collect the milk jugs in large bags or boxes nearby.

How to play: The adult lies flat on the ground on the yoga mat. The child stacks as many water jugs on the adult as possible in 60 seconds. No part of any jug may touch the mat. The adult may assist the child in any way, including raising arms/legs, holding on to the jugs, looping fingers through jug handles, etc. At the end of 60 seconds, the adult must hold position with all jugs off the ground for three seconds. The player receives one point for every jug held off the ground. A bonus of 10 points is added if the player successfully uses all the jugs provided.

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Memory Master Matching Game

Play this fun card-matching game to learn about ways to save energy and help the planet.

Object of the game: Try to find each pair of matching energy-saving tips from among the cards hidden on the table.

Materials:

- Set of Team ENERGY STAR Memory Master cards
- Table

Setup: Before the event, photocopy the Team ENERGY STAR Memory Master cards onto card stock, double-sided. Laminate them if possible. Cut the cards apart. Mix up the cards and lay them all facedown on the table.

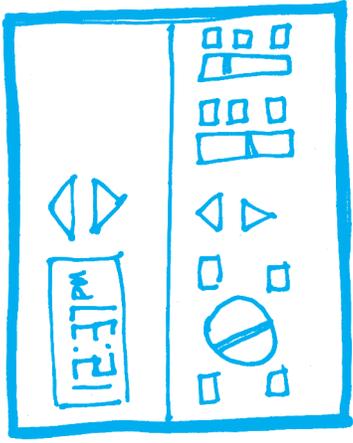
How to play: A player selects two cards from the game board and turns them over. If there is a match, the player removes the pair from the table and continues to seek a new pair. If there is no match, the cards are turned back over in the same spot. The player continues to seek pairs of matching cards for 60 seconds, earning one point per pair and 10 bonus points if all the pairs are found in the time allotted.

Lessons on the cards include:

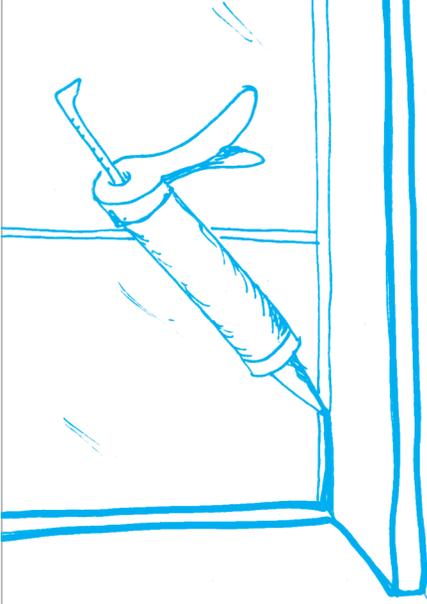
- Set a programmable thermostat
- Caulk gaps around windows
- Seal gaps in ductwork with duct mastic
- Insulate attic crawl spaces
- Seal around openings to the outdoors or attic
- Properly ventilate your attic
- Install storm windows in winter
- Run ceiling fans clockwise in winter, counterclockwise in summer
- Walk, ride a bike, or skateboard instead of using a car
- Reduce, Reuse, Recycle (3 R's)
- Keep doors and windows closed when the heat or air conditioning is on
- Plant trees to shade your house from the sun
- Turn off lights when you leave the room
- Replace incandescent lightbulbs with ENERGY STAR qualified CFL bulbs
- Unplug power chargers and adapters when not in use
- Plant a vegetable garden
- Use a power strip as a central turn-off point for equipment
- Fix leaky faucets and running toilets
- Use both sides of a piece of paper
- Read email messages on the screen, don't print them
- Look for the ENERGY STAR when purchasing products

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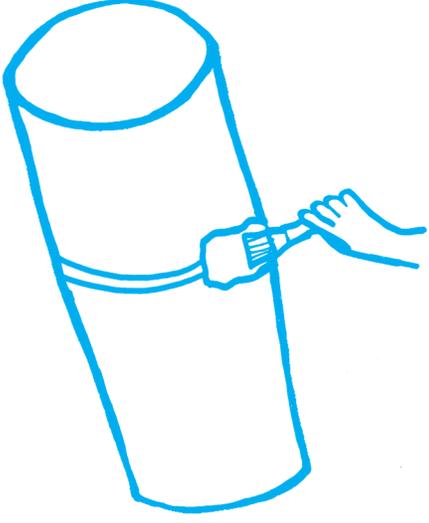




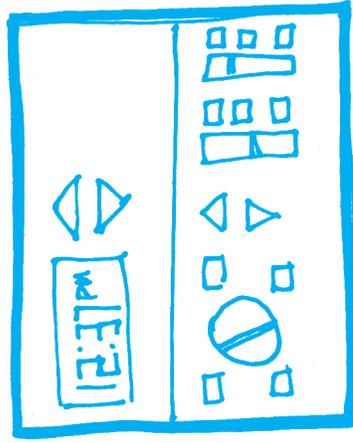
Set a programmable thermostat



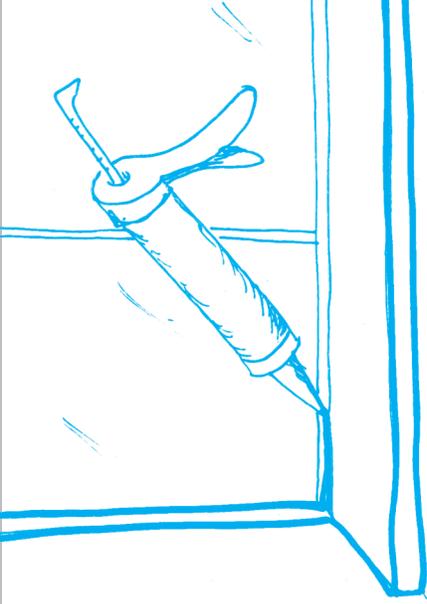
Caulk gaps around windows



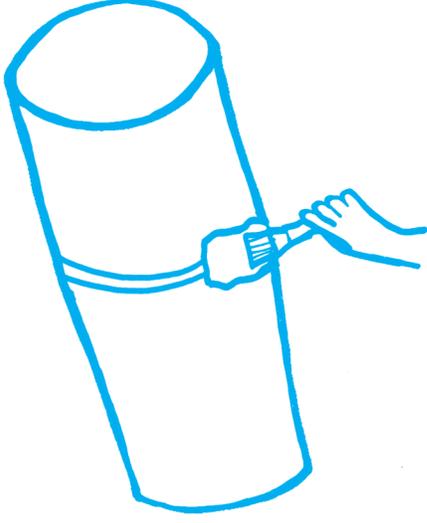
Seal gaps in ductwork with duct mastic



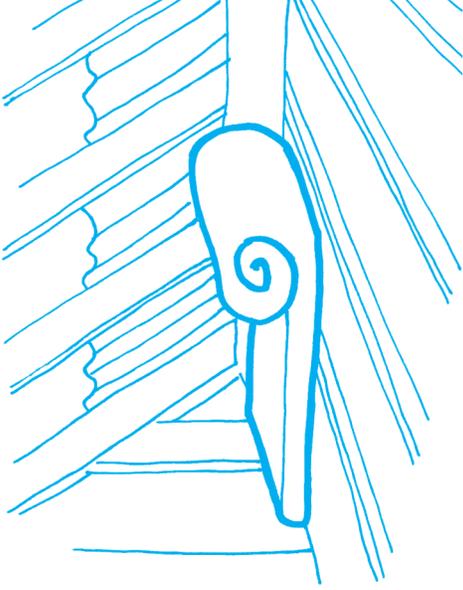
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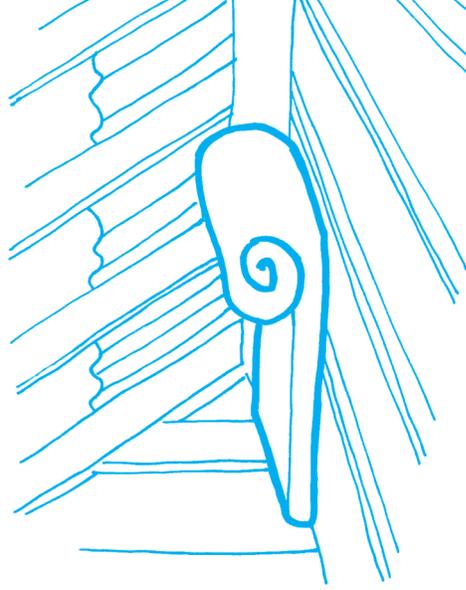
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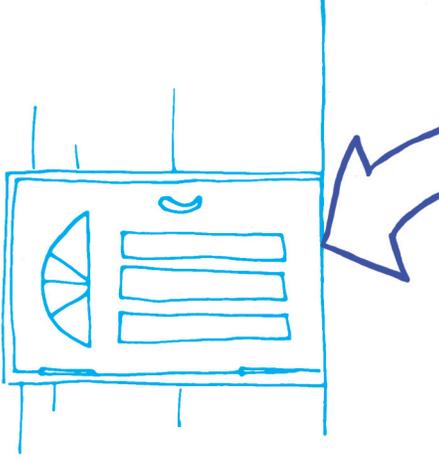
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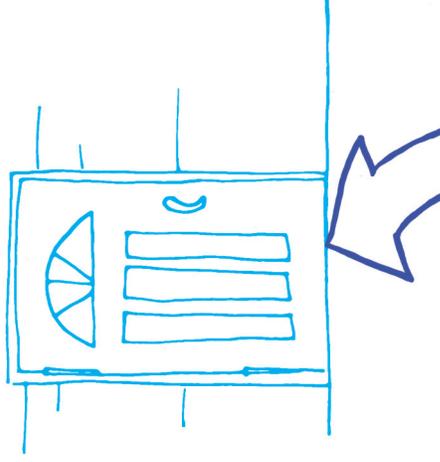
Insulate attic
crawl spaces



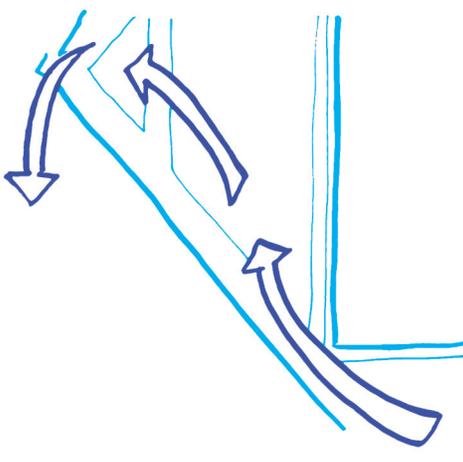
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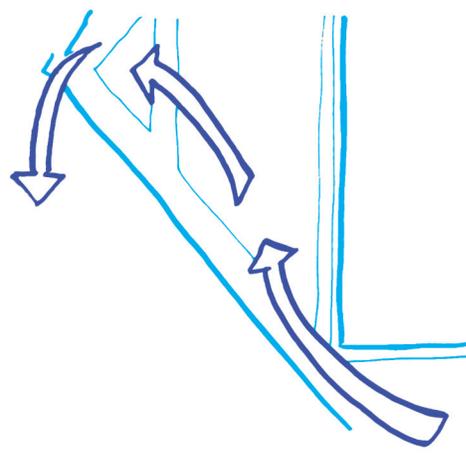
Seal around openings
to the outdoors or attic



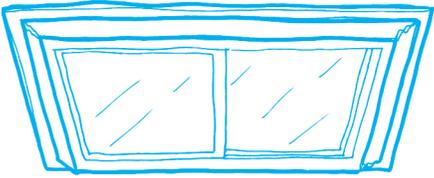
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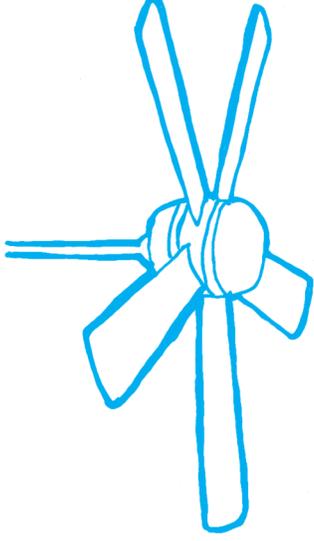
Properly ventilate
your attic



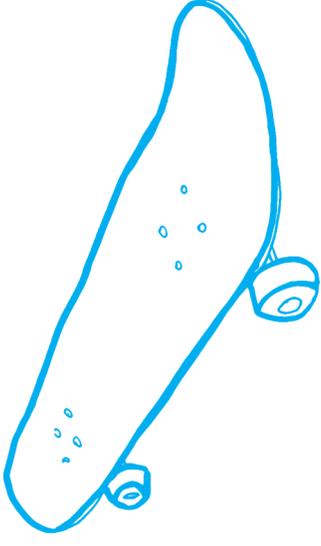
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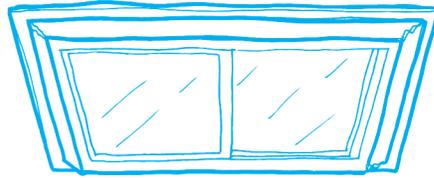
Install storm windows
in winter



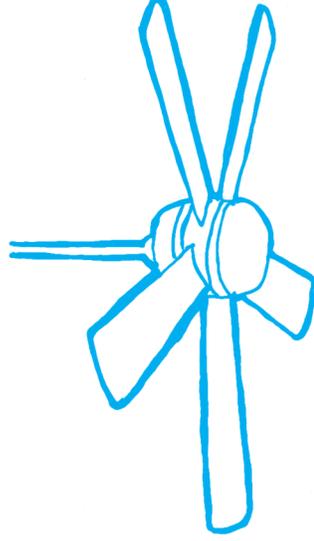
Run ceiling fans clockwise in
the winter, counterclockwise
in the summer



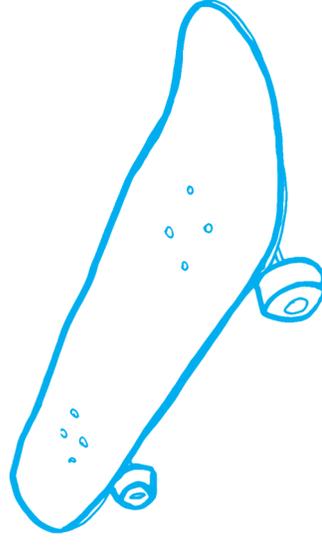
Walk, ride a bike, or
skateboard instead of
using a car



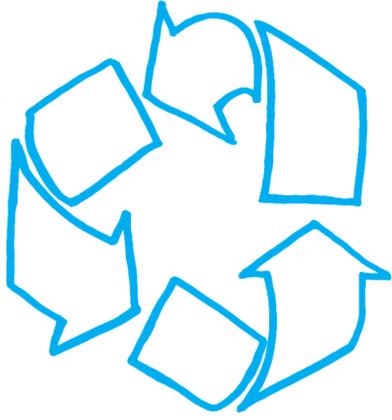
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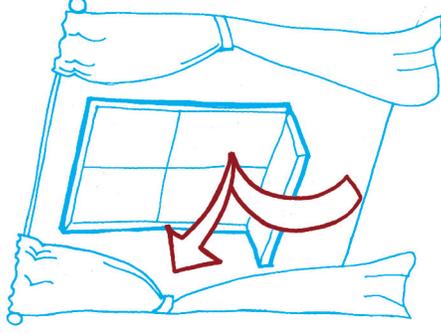
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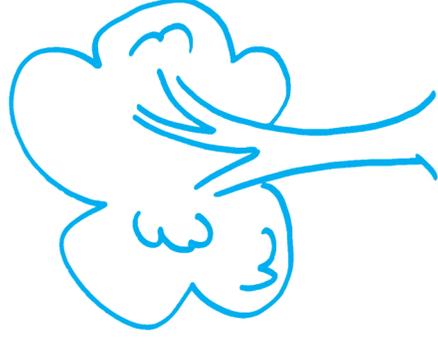
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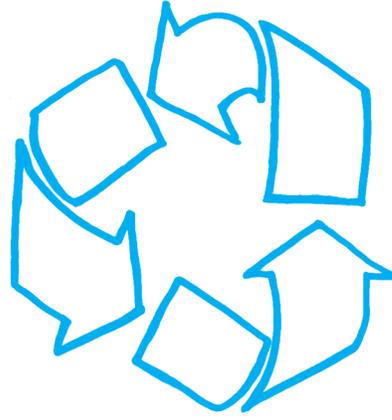
Reduce, Reuse,
Recycle (3 Rs)



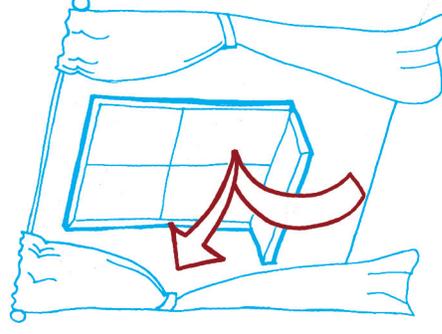
Keep doors and windows
closed when the heat or air
conditioning is on



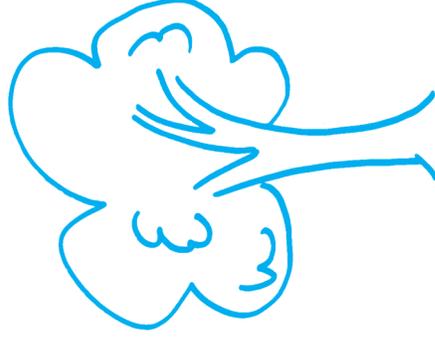
Plant trees to shade
your house from the sun



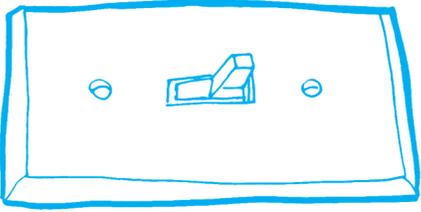
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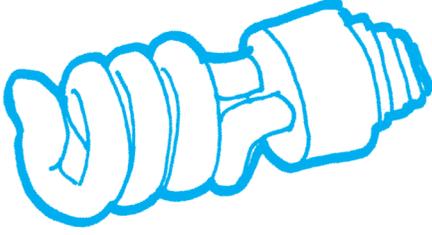
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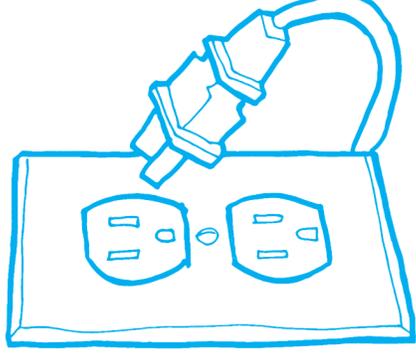
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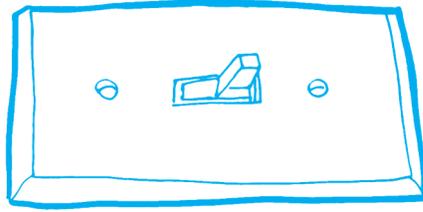
Turn off lights when
you leave the room



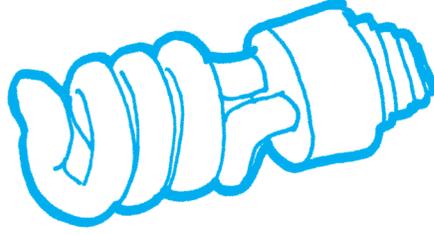
Replace incandescent
light bulbs with ENERGY
STAR qualified CFL bulbs



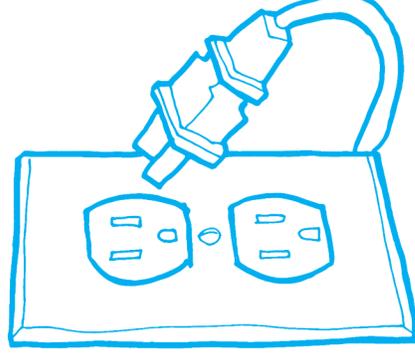
Unplug power chargers
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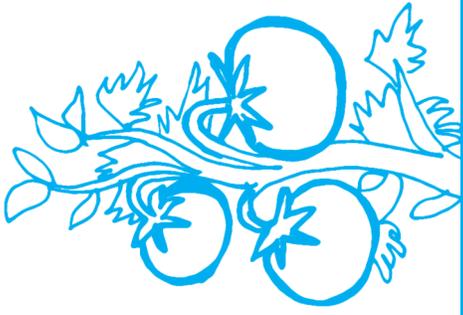
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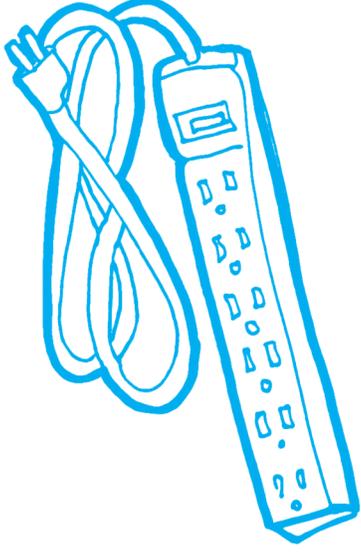
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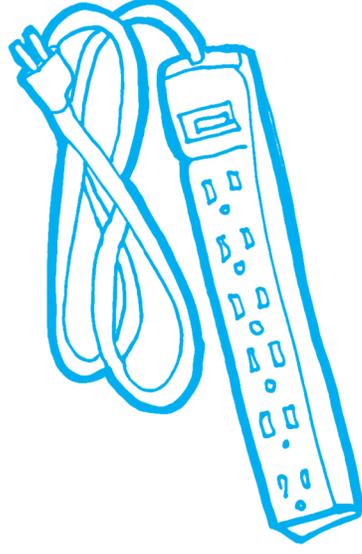
Plant a vegetable garden



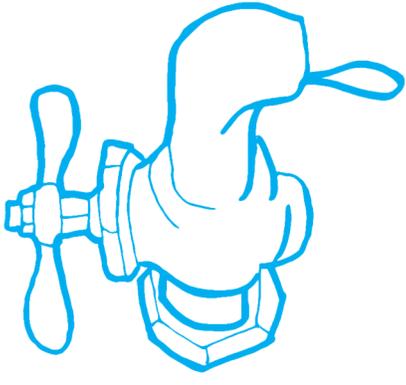
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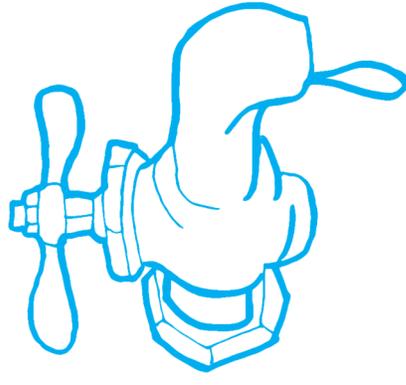
Use a power strip as
central turn-off point
for equipment



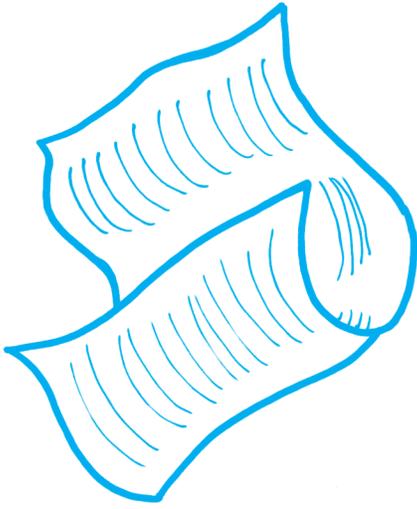
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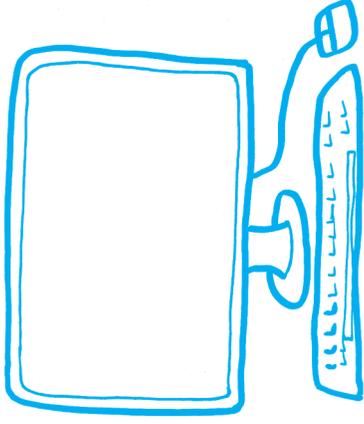
Fix leaky faucets and
running toilets



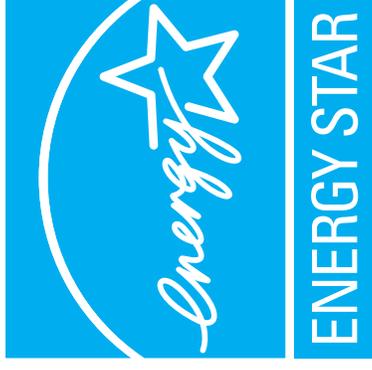
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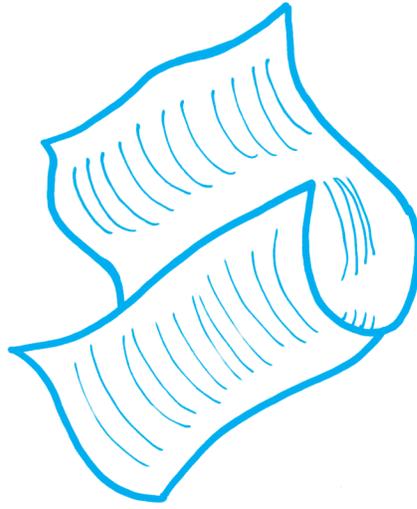
Use both sides of a
piece of paper



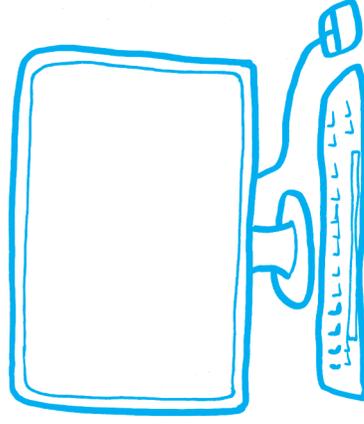
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