

amazing TALES

**of electricity,
safety & conservation**



JK to Grade 4

SHOCKING FACTS!

Energy saving bulbs are COOL!



The old style of light bulb (incandescent) wastes a lot of energy generating heat, not light. CFL and LED light bulbs are more efficient – they use much less energy, and waste almost none of it getting hot.

Newsflash

Lightning is caused by electrical charges that build up in clouds. A lightning strike usually lasts around 1 or 2 microseconds, contains millions of volts of electricity, and is around 20,000°C (that's hot!). It also makes a loud noise: thunder! It's not safe to be outside during a lightning storm. Always take shelter in an enclosed building, like your house or your school, or in a hard-topped vehicle. Never try to take shelter under a tree because it could be struck by lightning and you could get a serious shock.



Beware the phantom...

Many electronic devices, such as computers, stereos and cellphone chargers, keep using a small amount of power—even when they're turned off! You can defeat "phantom power" by unplugging devices that are not in use, or by using power bars with a timer feature.



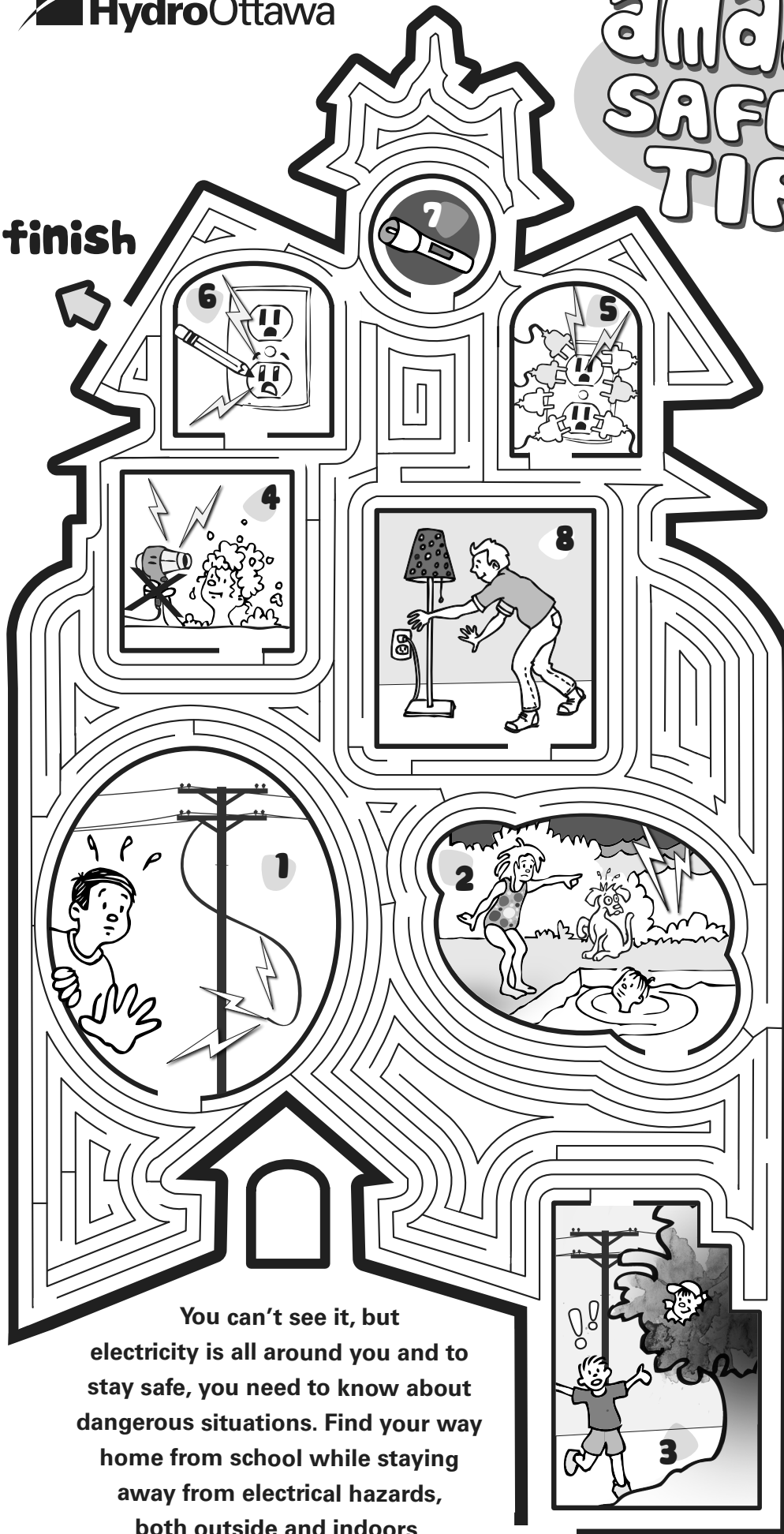
People with power!

At Hydro Ottawa, some people work inside offices and help our customers, and others work as electricians in transformer stations. Outside, our employees work overhead and underground, installing and repairing the power lines across the city so that electricity can make it from the generating station to your home.



amazing SAFETY TIPS

finish



You can't see it, but electricity is all around you and to stay safe, you need to know about dangerous situations. Find your way home from school while staying away from electrical hazards, both outside and indoors.

outside

- 1 Don't be shocked!**
If you see a fallen electrical wire, STAY FAR AWAY! Electricity is probably flowing through the wire, and even through the ground around it. Ask an adult to call 911 and Hydro Ottawa.
- 2 A dangerous pair**
If you're swimming and you see or hear a storm coming in, get out of the water right away and find shelter indoors. **Fact:** Water attracts lightning!
- 3 Stay grounded!**
Never climb a ladder or a tree close to a power line. Electricity can jump through the air from one conductor to another, so you could get zapped even if you are not touching the wire. Stay safe by staying on the ground.

inside

- 4 All wet? That's a threat!**
When you get out of the bath or pool and you're all wet, don't touch anything that runs on electricity.
- 5 Outlet overload**
Never plug all of your electronic devices in the same outlet—you could overload the circuit and cause a fire. If you use a power bar with a timer, you'll stay safe and save electricity!
- 6 Nothing IN an outlet**
Never poke anything into an electrical outlet or a lightbulb socket—not your fingers, not a pencil... NOTHING!
- 7 Safety in a flash**
Know where to find a flashlight if the power goes out in your house.
- 8 Unplug the right way**
To unplug your devices, always pull on the plug and not the cord. This way you won't damage the cord and you'll stay safe.

↑ start

HEY KIDS!

For more fun and educational activities, visit:
hydroottawa.com/community/youth-education/for-students

Here is another fun website where you can learn
about electrical safety and conservation:
kids.saveonenergy.ca

HEY PARENTS!

Sign up for MyHydroLink,
Hydro Ottawa's online customer service portal at
hydroottawa.com/account

Power Outages and Emergencies
613-738-0188 (24 hours a day, 7 days a week)

Call before you dig!

For all cable locates, call **Ontario One Call**, a free service, at:
1-800-400-2255

