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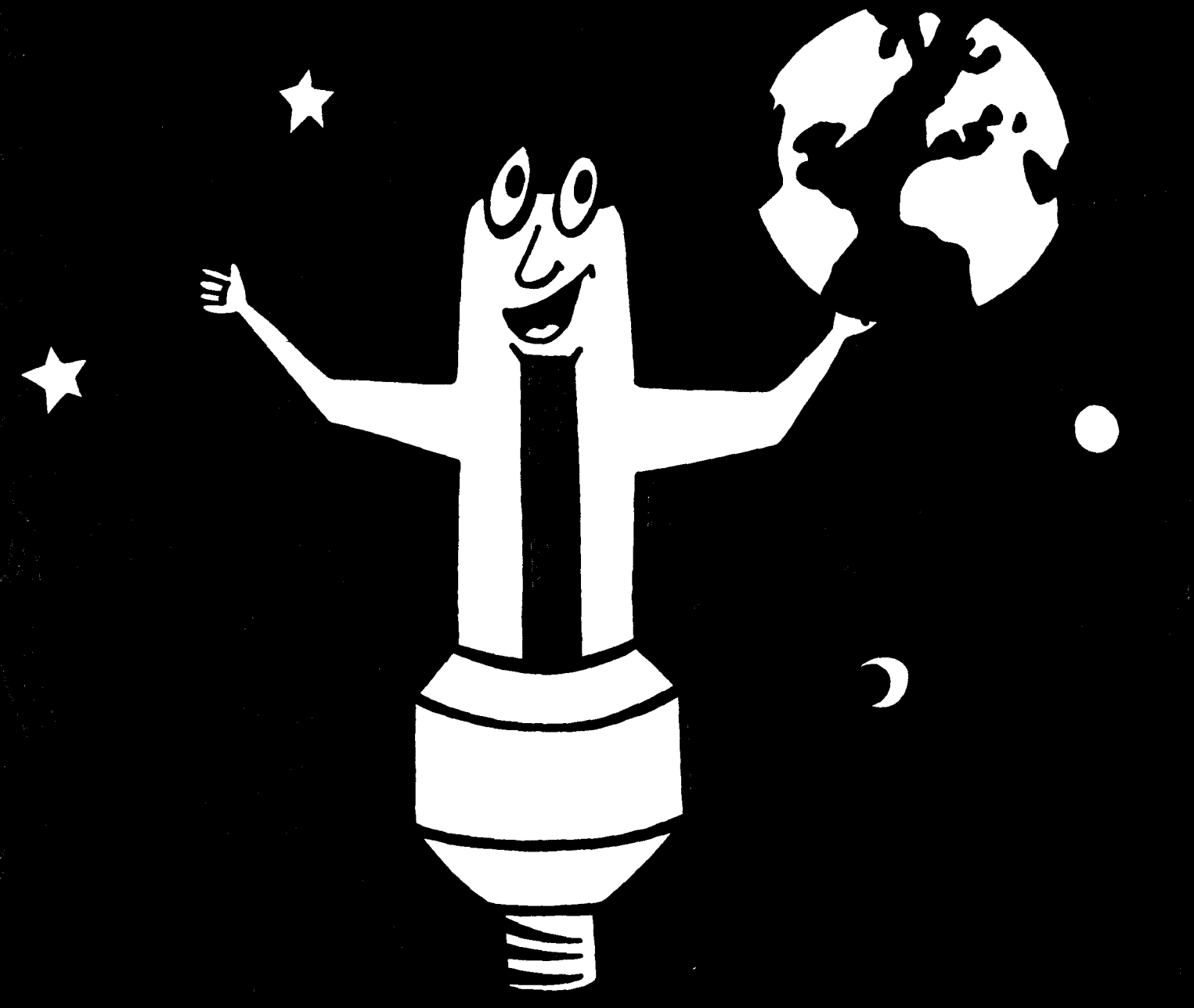
Learn About Lighting with Flossie



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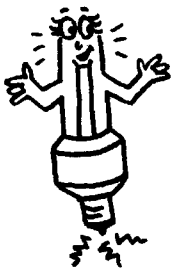
This book has been prepared by the US Environmental Protection Agency's Green Lights Program, which encourages you to make copies of this book and distribute them throughout your community.

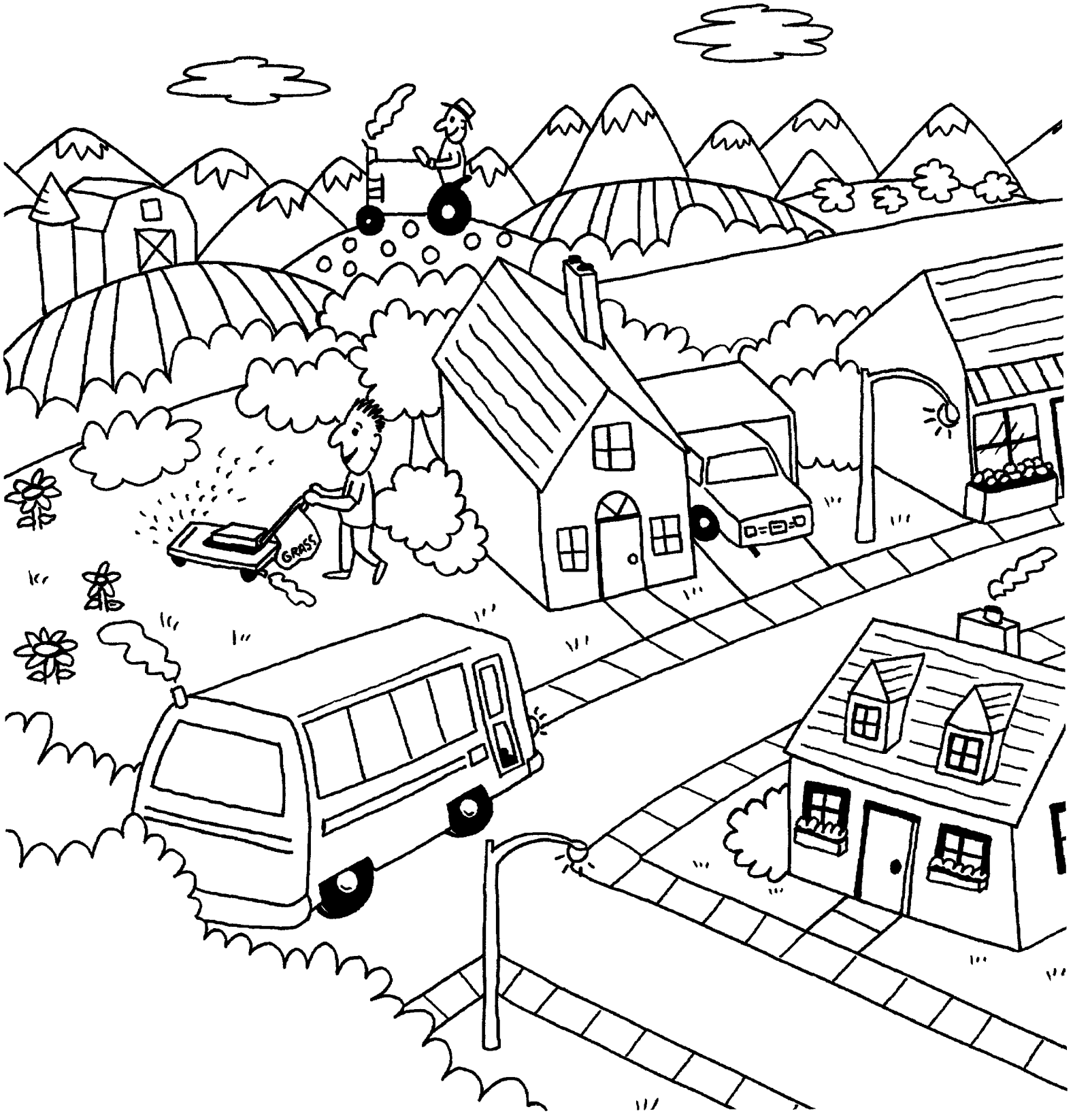
Hi! My name is Flossie. I'm an energy-efficient light bulb, I save energy by using less electricity. Let me tell you a little about our Earth and what I'm doing to make it a better place. Draw yourself and your family, friends and pets on the Earth and then color it.



One of the many ways we use electricity is to light our houses and offices. Let me tell you more about how I work for the environment. I am a compact fluorescent light bulb and come in many shapes and sizes. Light bulbs like me save energy because we last longer than other light bulbs. Because we use less energy, we make less air pollution.

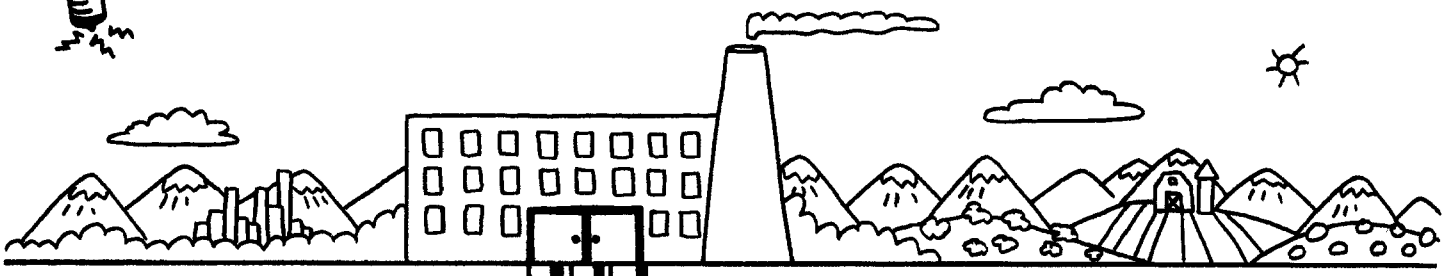
This is my old friend Inky, the incandescent light bulb. He's been around for a long time. You have probably seen him in most of the lights you have in your home. He's not as energy efficient as I am, and I can replace him in many of the lights in your home and in the places where your parents work. Please color me and my friend Inky!

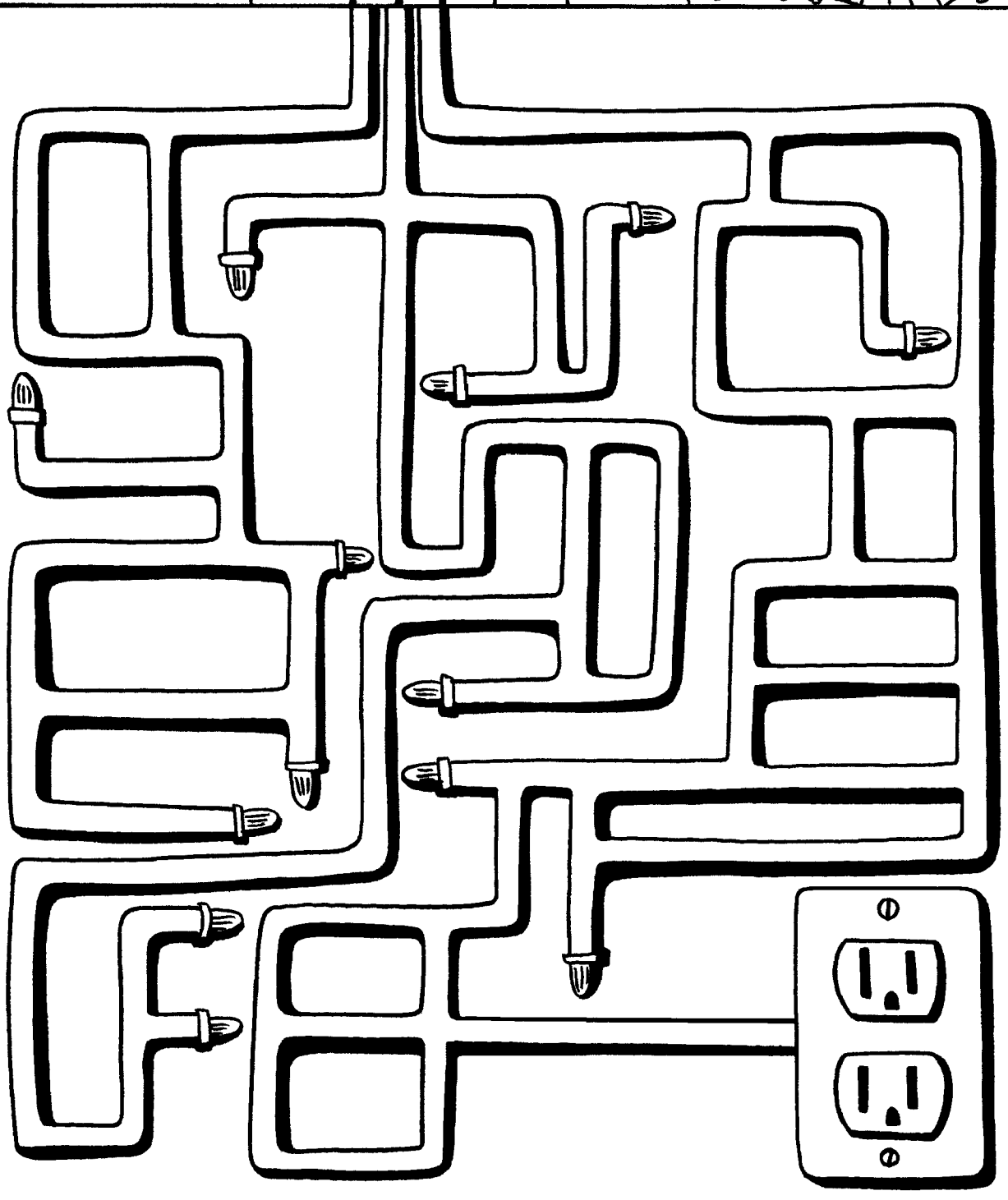
Many things cause the Earth's air pollution. Circle the things that you think cause air pollution and color the picture below.



Bob's
Bob's
Computers

Many ways of making electricity cause air pollution. Most electricity is made in power plants. Help the electricity find its way through the wires to the outlet below.





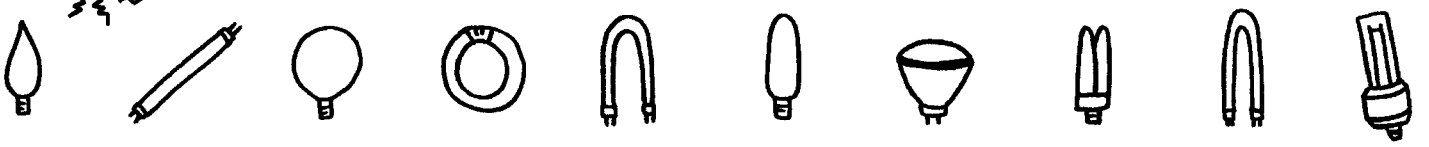
Draw a picture of your room in the space above. Be sure to show all the lights! How many lights are there?

1. in your room? _____

2. in your entire home? _____

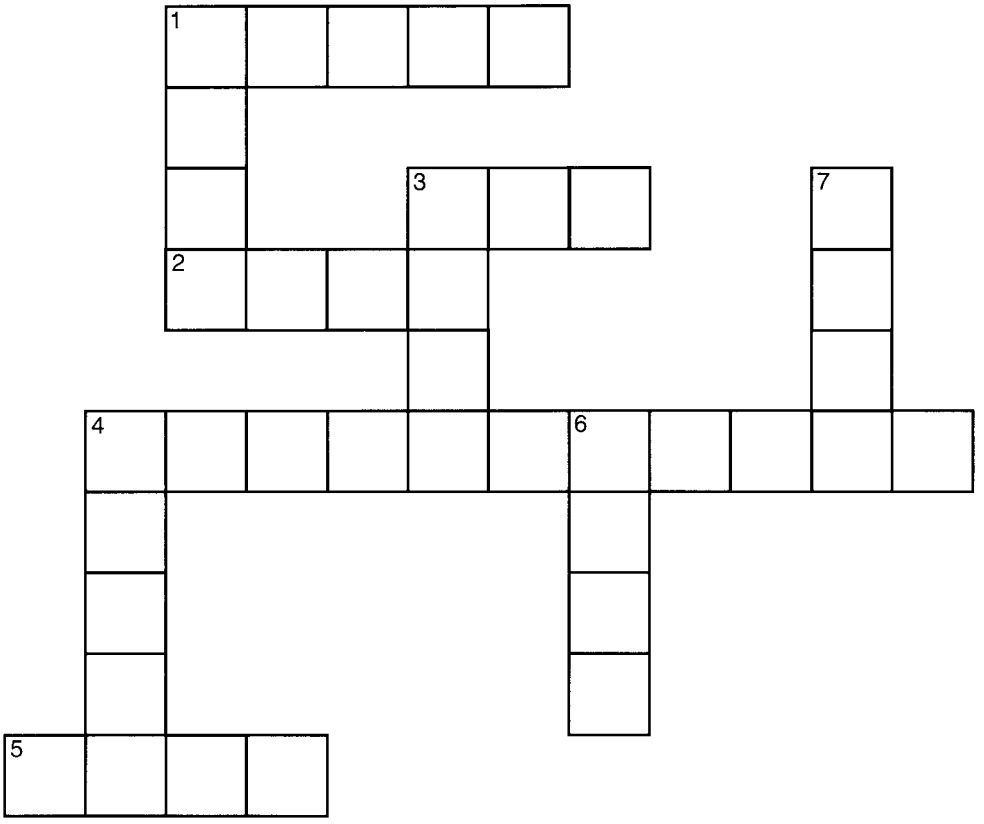
What kinds of lights are they? ❑ ❑ ❑ Both

Light bulbs like me come in many shapes and sizes.
Here is what they look like:



Find my 10 friends hidden in the picture below.

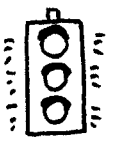
Light comes from many different things, some that use electricity and some that do not. I'd like you to meet some of my lighting friends as you do the crossword puzzle below.



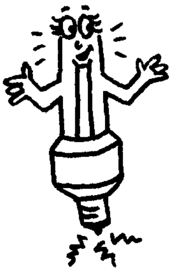
Across

1. A ____light is needed for camping
2. A light that shows you the way out
3. This gives us light and heat and helps flowers grow
4. Flossie is this kind of light bulb
5. A ____light on the front of a car

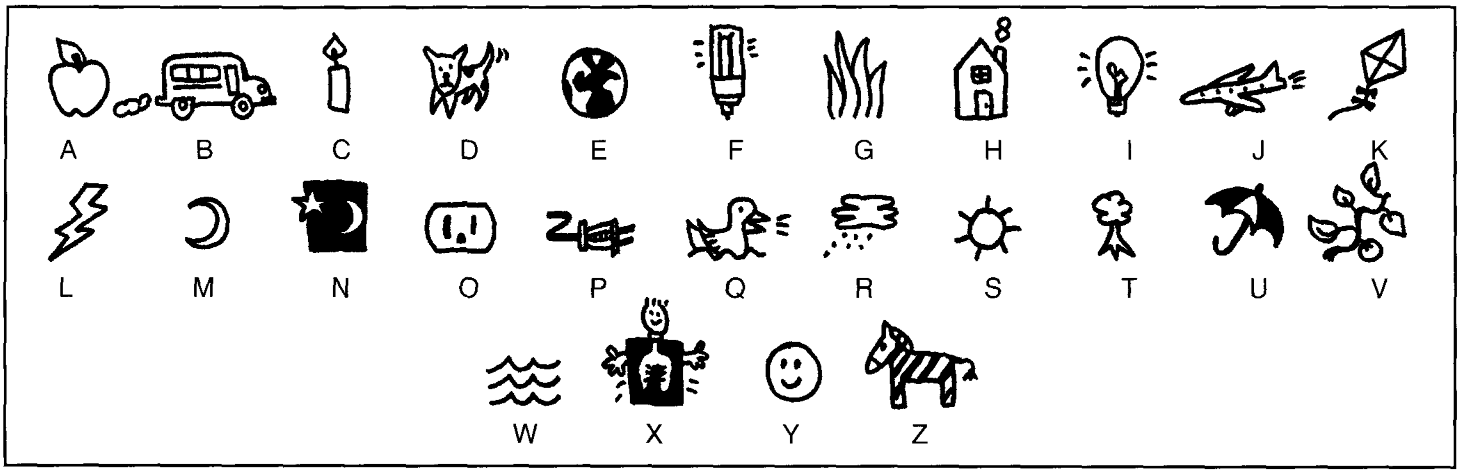
Down

1. You can cook over this when you are camping
3. A twinkling light in the sky at night
4. A candle produces this kind of light
6. A light that goes from green to yellow to red 
7. The largest object in our night sky

Create a T-shirt design using what Flossie has shown you about lighting.



Flossie wants to share a secret with you. Break the code below to find out the secret.



Hope you had fun, here are the answers:

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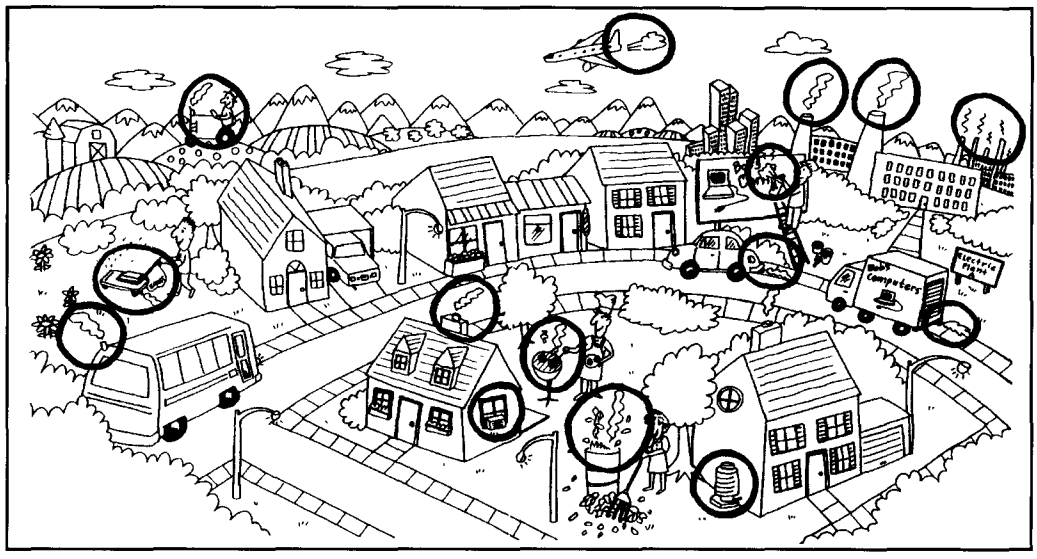

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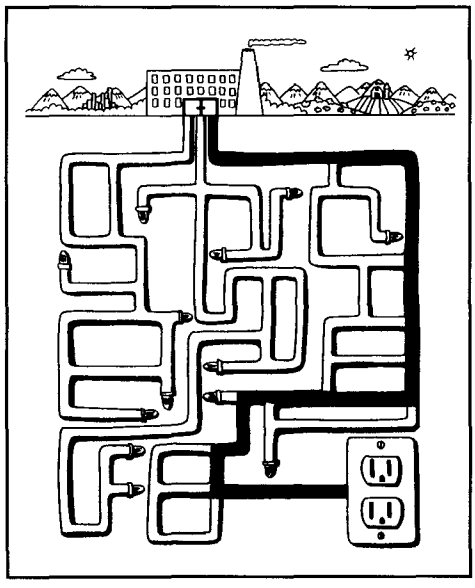

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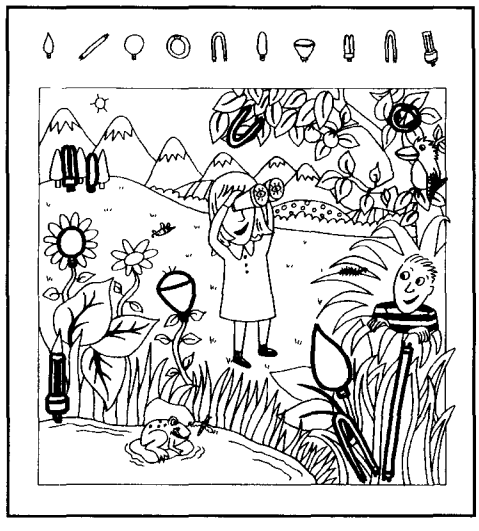

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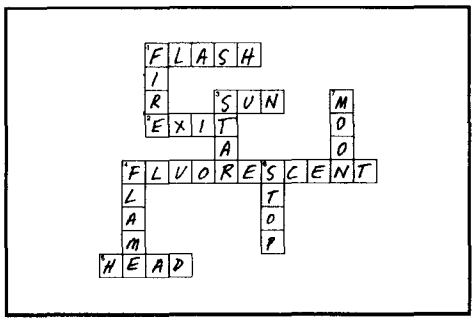

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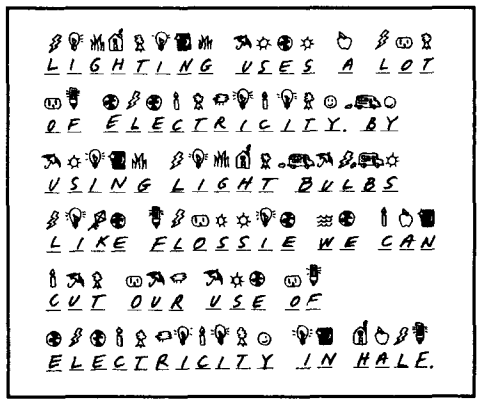
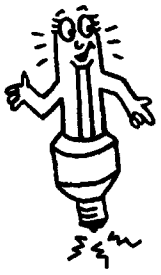
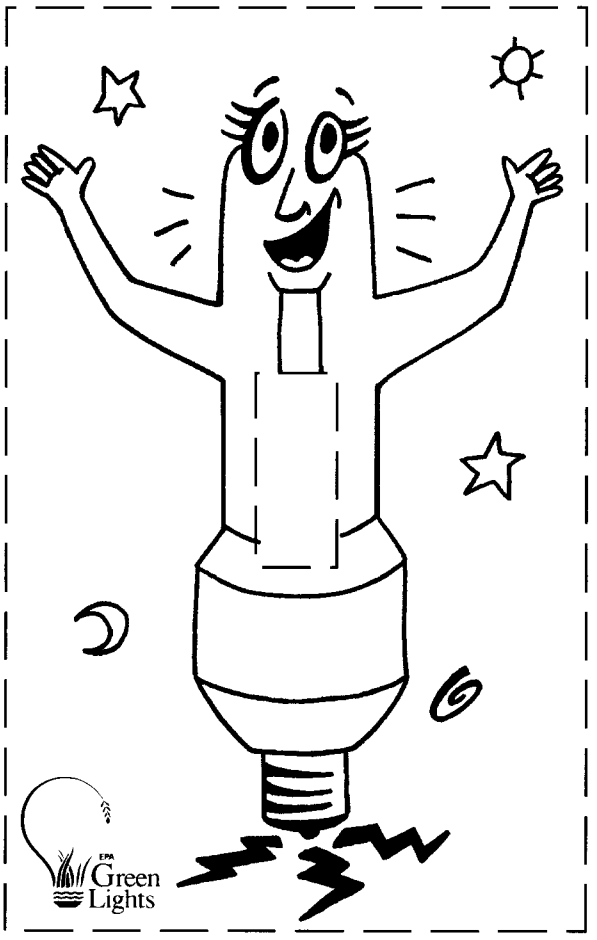




Color me and cut me out along the dotted lines. Then cut a hole in the center and hang me up on a light switch (be sure to ask for permission first). After you finish the activities in this book ask your parents to find out more about the Green Lights Program at their place of work.



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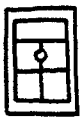
10 Things You can do to help Flossie make an Energy-Efficient World

1. Turn off the lights when You leave a room.

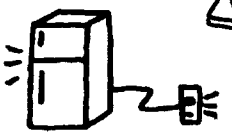
2. Use Energy-efficient Fluorescent lights.



3. Make Sure Your windows do not have any air blowing in.

4. Plant a tree.

5. Turn off the water when You are brushing your teeth.

6. Don't Leave refrigerator door open. 

7. Turn off the television when You are not watching it.

8. Turn off the computer when you are not using it.

9. WaLK to school or ride your bike.

10. Use less water in Your bath or take a Shorter Shower.

This booklet was prepared by the US EPA's Green Lights Program, a voluntary pollution-prevention program that promotes energy-efficient lighting, helping organizations and consumers save money while helping all of us prevent air pollution emissions from power plants. For more information about Green Lights please call (202) 775-6650 or fax (202) 775-6680.

Courtesy of:

United States
Environmental Protection Agency
(6202J)
Washington, DC 20460

EPA

Green Lights