

The Energy Sleuth Game for Cubs



Calling all wanna-be Energy Sleuths! Do you and your family want to help care for the earth? Play the Energy Sleuth Game. You will become a full-fledged Energy Sleuth and reduce air pollution and climate change.

Your mission:

To reduce the amount of energy you use every day. Follow the **clues** below. You can ask your parents for help. After each clue, **solve the problem**. This will earn Energy Sleuth points.

Clue #1:

Unscramble the clue:

Leaving the lights or TV on when no one is using them will SEWTA _ _ _ _ _ energy.

(Hint: the first letter is underlined).

Secretly look to see if the lights or the TV are on in any rooms where no one is using them. How many rooms have lights and/or TVs on? _____

Who left the room that way? Did they forget to turn them off? Did they leave the room temporarily?

(Lights and the TV only need to be turned off when you leave the room for more than 5 minutes.)

Solve the problem: Do you leave the lights or TV on too? Tick the box if you will do your best to:

- Remember to turn lights and TV off.
- Will your family do their best to do this as well?

Clue #2:

Unscramble the following clues:

Garbage from food and other products can be

LYCDREEC _____ or UDEERS _____ to save energy.

Does your family recycle? yes no

Does your family compost food waste? yes no

Solve the problem: Tick the box if you will do your best to:

- Find out everything that can be recycled in your city, and make sure your family recycles it.
- Help your family to compost everything that you can.

Clue #3:

Unscramble the following clue:

You can save energy by GNRUTIN WODN _____ the furnace.

If possible, write down what temperature that the thermostat is set at. _____.

Is it lower than 21° Celsius? yes no

Does the temperature get turned down at night? yes no

Does the temperature get turned down when no one is at home? yes no

Solve the problem: Ask your parents if you can:

Turn down the thermostat to 21° Celsius or less during the winter.
What is the difference between the new temperature and the old one? _____ ° Celsius.

Turn down the thermostat at night and when no one is at home.
What is the difference between the new temperature and the old one? _____ ° Celsius.

Clue #4:

Unscramble the following clue:

TCIAVE _____ travel does not pollute the air or cause climate change.

How do you usually travel to school?

In the fall and spring:

- walk/inline skate/bike
- school bus or city bus
- city train
- car

In the winter:

- walk/inline skate/bike
- school bus or city bus
- city train
- car

Circle the ones that are active travel (that only use human power).

Solve the problem: Are you an active traveller? _____ Tick the box if you will do your best to:

Use active travel more often to get to school.

I will do this _____ days a week. (fill in the blank)

Clue #5:

Unscramble the following clue:

Energy is used to ETHA PU _____ water for a shower.

Take a shower with the drain plugged. Let the water collect in the tub as you shower. Set a timer to time how long your shower takes.

How much water collected in the tub during your shower? ¼ tub ½ tub ¾ tub

Is this more or less water than you use to take a bath? more less

How long did you run the water for your shower? _____ minutes.

Earn Energy Sleuth points: Tick the box if you will do your best to save hot water by:

Taking a bath less often, and showering in 5 minutes or less.
Will your family do their best to do this as well? _____

You are now ready to calculate how many Energy Sleuth points you earned!

Now go to (insert url) on the Scouts Canada web site to calculate your Energy Sleuth points.

First, interview your parents to find out the information below.

1. What type of home do you live in? apartment single attached single detached

2. About how big is your home? up to 750 sq.ft. 751-1250 sq.ft.
 1251 – 1750 sq.ft. 1751 - 2500 sq.ft. 2501 - 3500 sq.ft.
 over 3500 sq.ft.

3. About when was your home built? before 1946 1946-1970 1971-1990
 after 1990

4. What fuel heats your home? _____

5. What fuel heats your water? _____

6. About how far is your school from your home (in kilometres)? _____

Now you are ready to go on-line and calculate your Energy Sleuth Points.

(If you cannot go to the web site, give your completed game sheet to your Akela at your next Cub meeting.)

