รายวิชา ภาษาอังกฤษ

รหัสวิชา อ23101 ชั้นมัธยมศึกษาปีที่ 3

เรื่อง My Green Tech (1)

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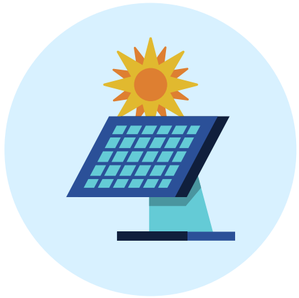
ครูธีรวุฒิ ศรีสวัสดิ์

My Green Tech (1)



จุดประสงค์การเรียนรู้

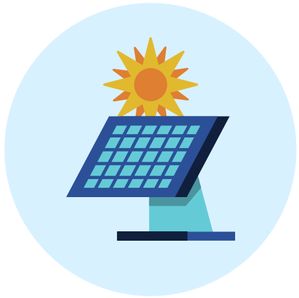
1. รู้และเข้าใจคำศัพท์เกี่ยวกับแหล่งพลังงานทางเลือก
2. รู้และใช้โครงสร้างทางภาษาในการสื่อสารเกี่ยวกับแหล่งพลังงานทางเลือกที่เหมาะสมได้
3. ถามและตอบคำถามเกี่ยวกับแหล่งพลังงานทางเลือก

What are Natural Resources?

Natural resources are resources that exist without any actions of humankind.

Thus water, air, soil, minerals, coal, forests, crops, and wildlife are all examples of natural resources.

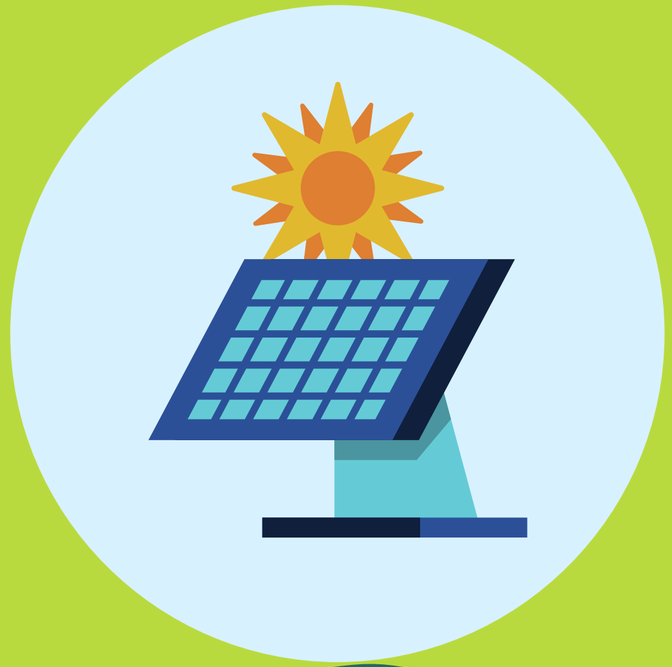
Vocabulary

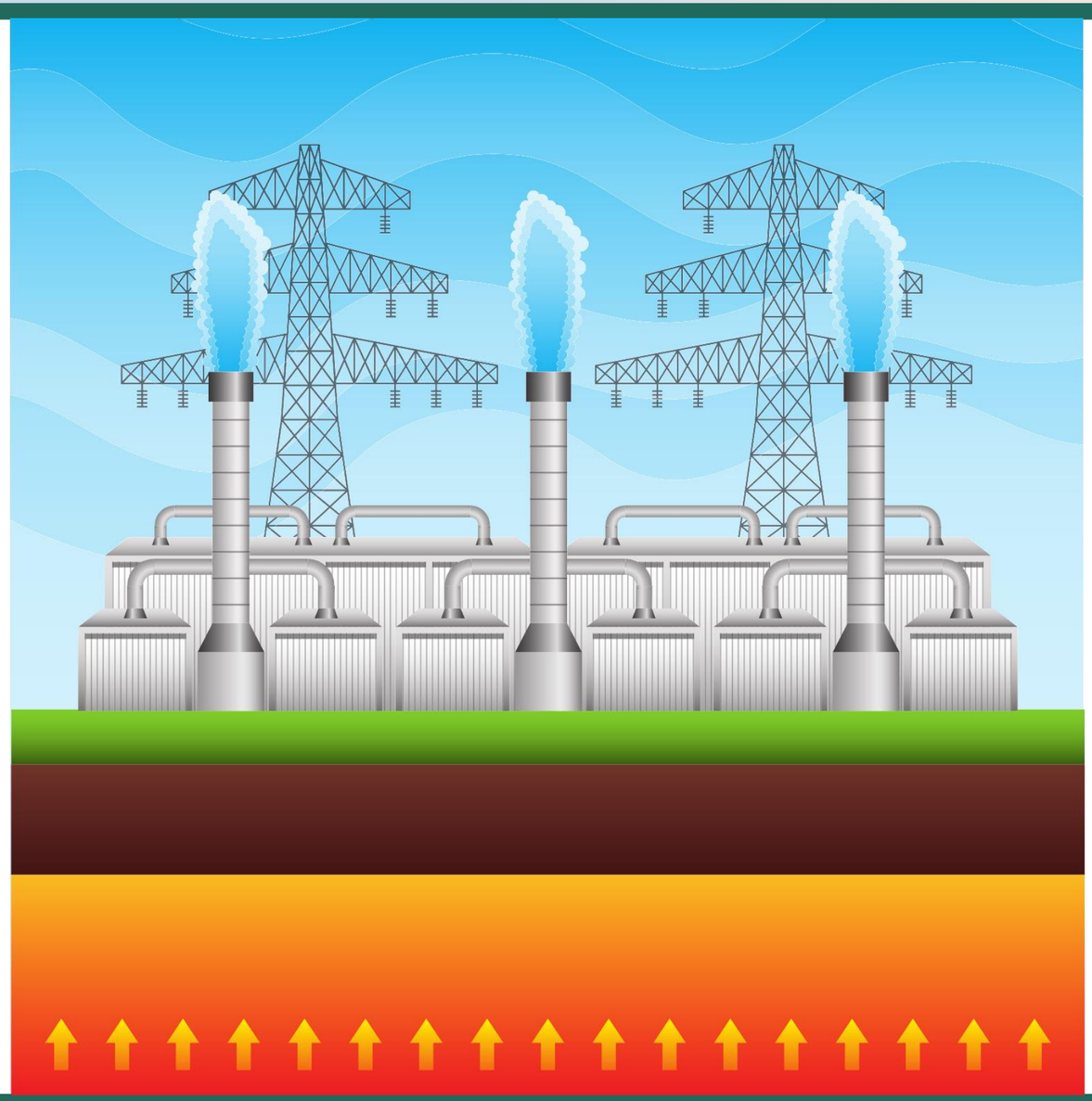


Renewable Resources

- Can be used repeatedly and does not run out because it is naturally replaced.

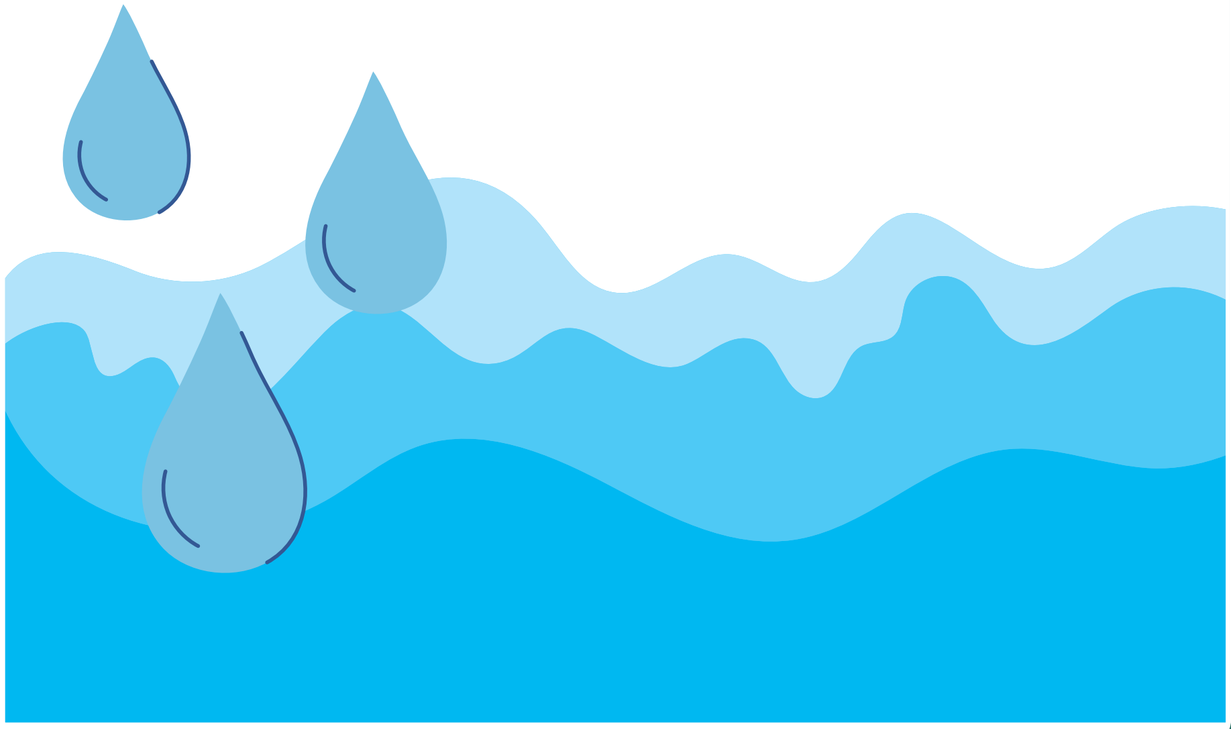
Ex. solar energy, wind, falling water





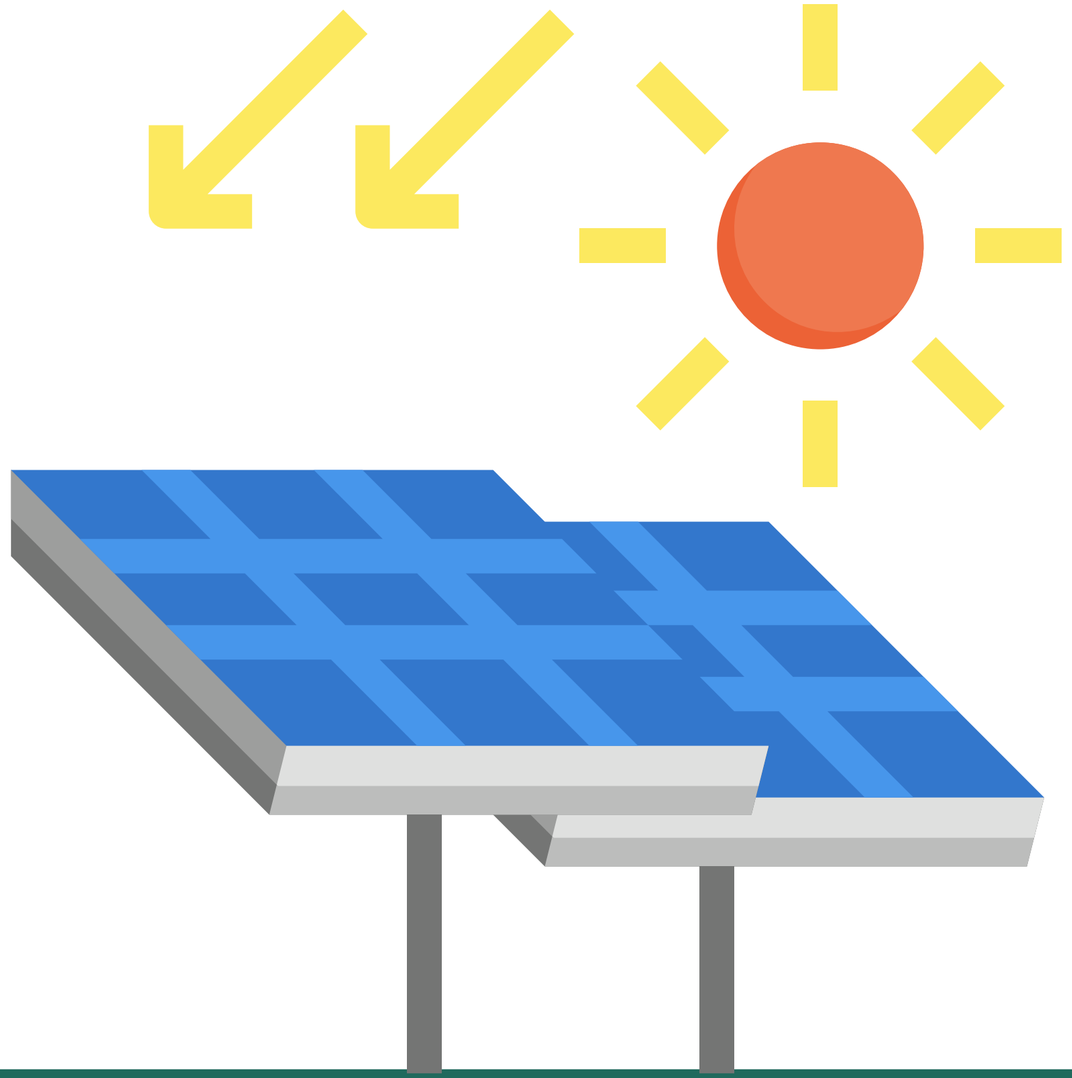
geothermal(n.)

The earth is constantly being warmed up by its core so when we use geothermal energy, we don’t use up resources like we do when we burn gas.



water (n.)

A clear liquid, without colour or taste, that falls from the sky as rain and is necessary for animal and plant life.



solar(n.)

Since earth formed, the sun has produced energy in the form of heat and light. It is considered unlimited.

wind (n.)

A current of air moving approximately horizontally, especially one strong enough to be felt.

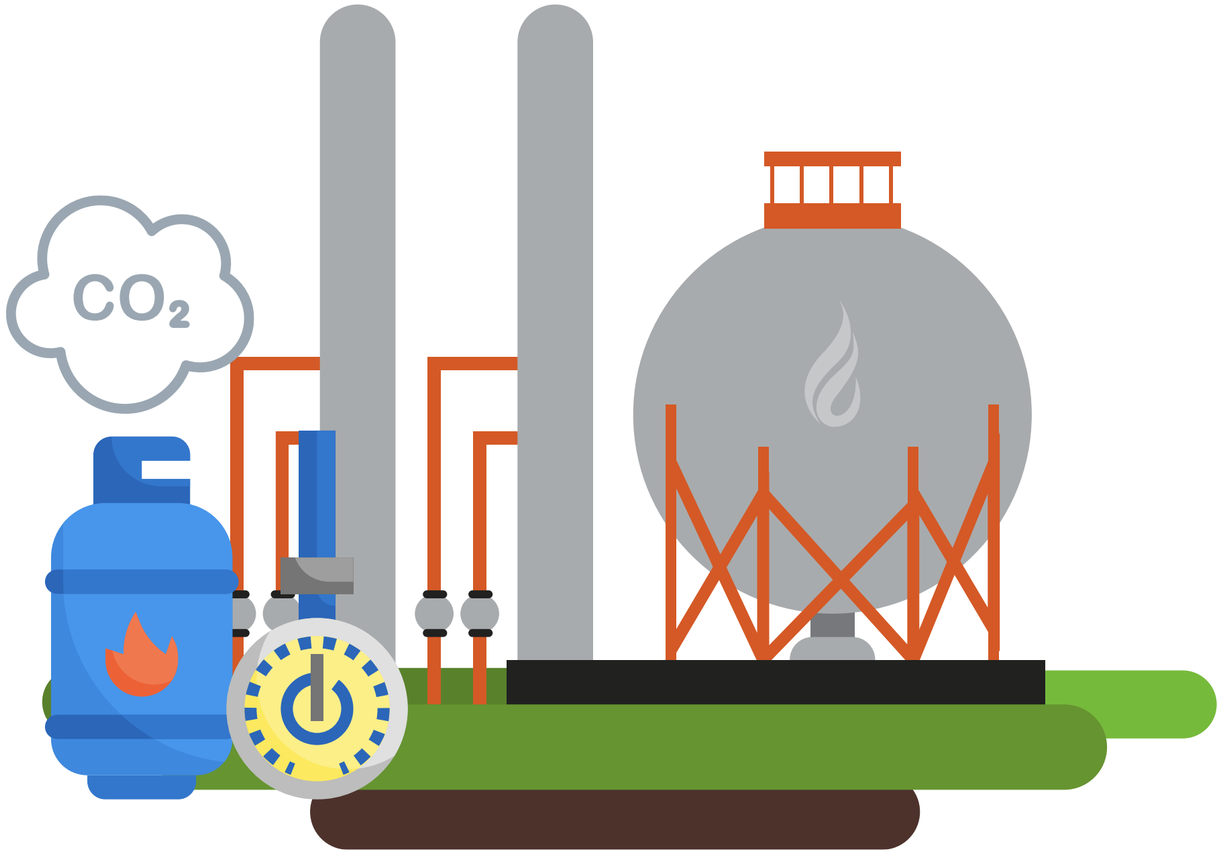
biomass (n.)

Biomass is renewable organic material that comes from plants and animals.

Non-Renewable Resources

- A natural substance that is not replenished with the speed at which it is consumed.

Ex. oil, natural gas, coal, and nuclear energy

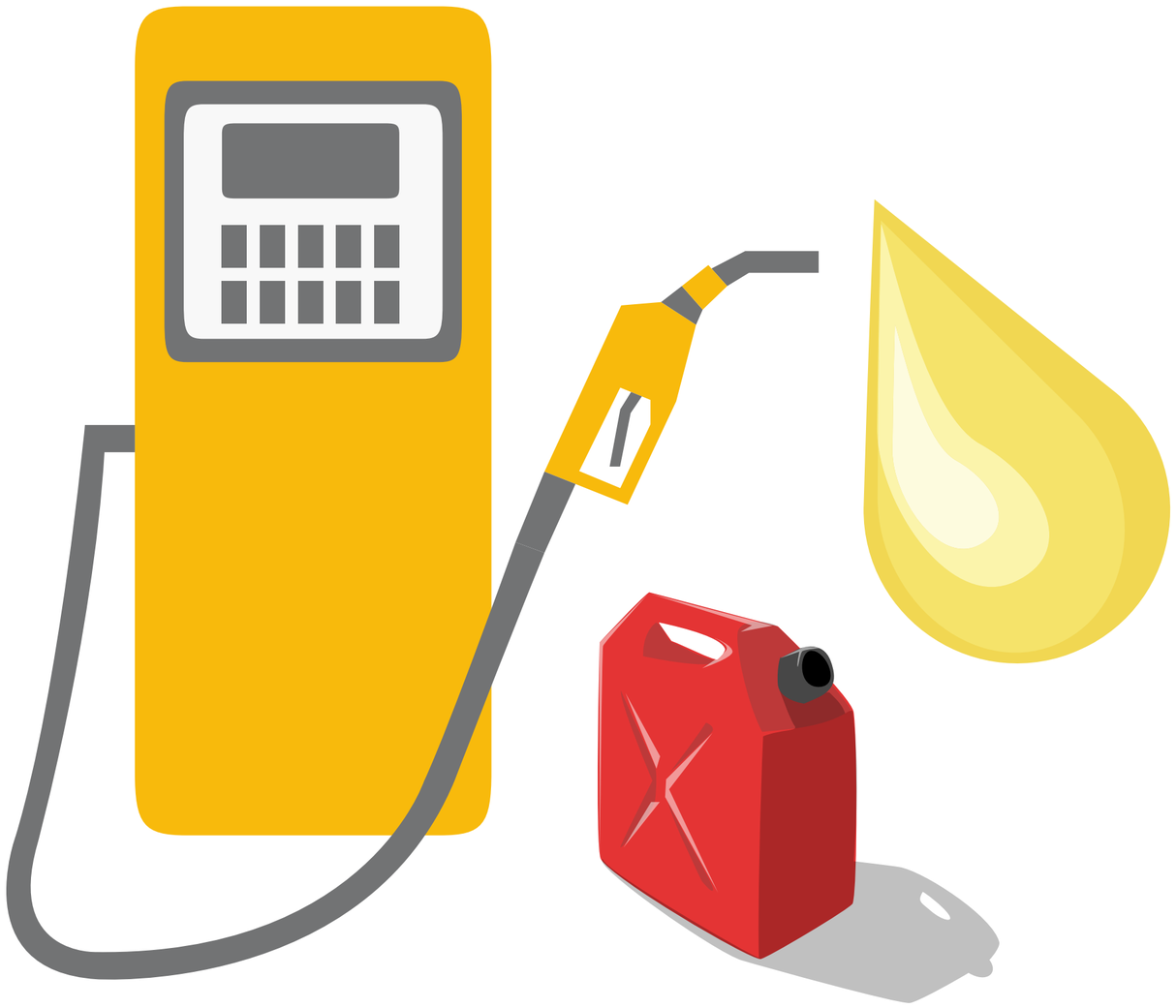


natural gas (n.)

Gas, found underground, that is used as a fuel.

coal (n.)

Coal is a black or brownish rock. We burn coal to create energy.



Oil (n.)

Oil is a liquid fossil fuel. Most of the worlds oil is still deep under the ground.

Let’s Practice

Worksheet: Wind Farm

Instructions:

Read the passage and fill in the blanks by using the given words.

A) Read the passage and fill in the blanks.

renewable energy	landscape	wind farm	wind	rural	electric

Wind energy is the use of _____ to provide the mechanical power through wind turbines to turn _____ generators and traditionally to do other work like milling or pumping. Wind power is a sustainable and_____, and has much smaller impact on the environment compared to burning fossil fuels. _____ consist of many individual wind turbines which are connected to the electric power transmission network. Onshore wind is an inexpensive source of electric power. Onshore wind farms also have an impact on the_____, as typically they need to be spread over more land than other power stations and need to be built in wild and_____ areas which can lead to industrialization of the countryside and habitat loss.

Adapted from: https://en.wikipedia.org/wiki/Wind_power

Wind energy is the use of ___wind___ to provide the mechanical power through wind turbines to turn ___electric___ generators and traditionally to do other work like milling or pumping. Wind power is a sustainable and ___renewable energy___ and has much smaller impact on the environment compared to burning fossil fuels. ___Wind farm___ consist of many individual wind turbines which are connected to the electric power transmission network. Onshore wind is an inexpensive source of electric power.

Onshore wind farms also have an impact on the ___landscapeS___, as typically they need to be spread over more land than other power stations and need to be built in wild and ___rural___ areas which can lead to industrialization of the countryside and habitat loss.

renewable energy

landscapes

wind farm

wind

rural

electric

Worksheet : Wind Farm

B) Look at the list and tick (√) either advantage or disadvantage for each item. Then compare and discuss your answers with your partner.

Wind Turbines	Advantage	Disadvantage
1. ruin the landscape		√
2. injure birds		√
3. do not pollute the air	√	
4. only work in windy sites		√
5. can be noisy	✗	√
6. last a long time	√	

must

should

must

We **must** turn off unnecessary lights.

Define the necessity or "the need of the hour", which necessarily has to be executed.

We should save the energy.

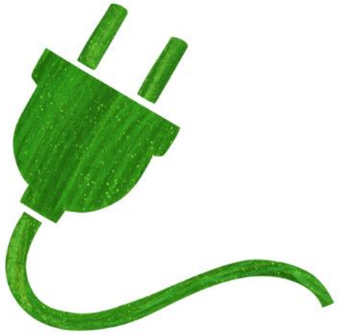
should

Indicates the responsibilities and duties of a person.
Also, it describes many best things for doing in the case.

Recycle More

Ditch Single Use Plastic

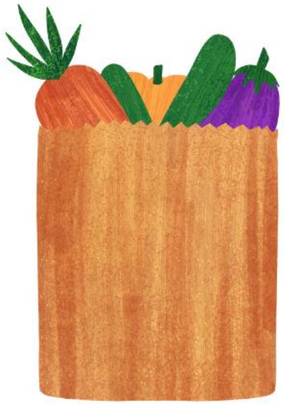
Turn Off The Lights Not In Use



Reduce Energy Consumption

Let's Practice

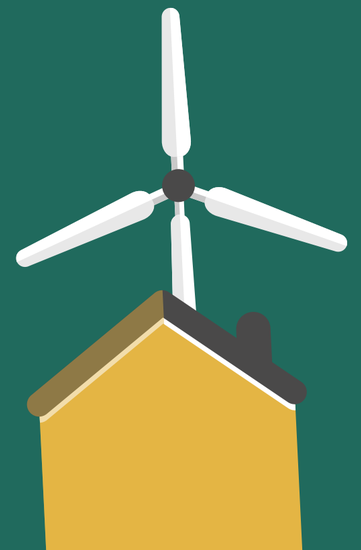
Plant Trees



Use Reusable Bag

Save The Water

Eat More Plant Based Food



Whole Class Chart

Must	Mustn’t
Should	Shouldn’t

Instructions:

List the useful way which we can save energy.

บทเรียนครั้งต่อไป

เรื่อง My Green Tech (2)

สิ่งที่ต้องเตรียม

1)ใบงาน My Green Tech (2)

สามารถดาวน์โหลดเอกสารได้ที่

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