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SATIROF

Cooking with the Sun - Part 1

Imagine that you live on a high mountain. There is no electricity or gas. You need to eat every day. So you have to find ways to heat and cook food. When you are in a place like this, you can use a solar cooker. You can also use one after a disaster.

A solar cooker is a tool to heat food in a pot. It collects sunlight in the pot. It can cook rice, boil eggs, and even bake cakes.

imagine •	• なべ 鍋
electricity •	• ~を焼く
gas •	• ~を想像する
heat •	• ソーラークッカー
solar •	• 日光
disaster •	• ガス
tool •	• ~を熱する
pot •	• 太陽の
sunlight •	• ケーキ
boil •	• 道具
bake •	• 電気
cake •	• 災害
solar cooker •	• ~をゆでる

Q&A!

1: What's a solar cooker?

_____.

2: Do you need electricity or gas when you use a solar cooker?

_____, _____.

3: What can you do with a solar cooker?

_____, _____, _____.

4: What does a solar cooker collect to heat food in a pot?

_____.

True or False!

1: If you live on a high mountain, you can use a solar cooker.

()

2: You can't use a solar cooker after a disaster. ()

3: A solar cooker can't bake cakes.

()

helpful •	• 熱する
developing •	• 病気
cost •	• 3分の1
lake •	• 役に立つ
cause •	• 安全
disease •	• アルミホイル
safe •	• 段ボール
smoke •	• ~以上の
burn •	• 湖
indoors •	• (費用が) かかる
cardboard •	• まき
aluminium foil •	• 屋内で
firewood •	• ~で死ぬ
more than •	• 発展途上の
one third •	• 原因
die from •	• <small>けむり</small> 煙

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Cooking with the Sun - Part 2

SATIROF A solar cooker is helpful to people in developing countries.

Why?

First, making a solar cooker does not cost much. You can make one with only cardboard and aluminium foil.

Second, people in developing countries can get cleaner water by boiling it with a solar cooker. Drinking water from rivers and lakes is one of the biggest causes of disease.

Third, a solar cooker is safe because it does not make smoke. More than one third of the people in the world burn firewood indoors to cook. A lot of children die from its smoke.

Q&A!

1: What do you need to make a solar cooker?

2: What's one of the biggest causes of diseases in developing countries?

3: How many people in the world burn firewood indoors to cook?

4: Why is a solar cooker safe?

True or False!

1: Making a solar cooker is very expensive. ()

2: If people boil water in rivers and lakes with a solar cooker, they can get cleaner water. ()

3: Many children die from the smoke of burning firewood indoors. ()

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Cooking with the Sun - Part 3

A solar cooker can solve another big problem because it does not use any fuel. People need a lot of wood to cook every day. Collecting wood is hard work, especially for women and children. With a solar cooker, they do not have to collect wood anymore.

More than two billion people use wood to heat food. Cutting trees in forests adds to global warming. If you can use one solar cooker, you can save about 550 kilograms of wood every year.

solve •	• 特に
fuel •	• 世界的な
wood •	• 増大させる
especially •	• キログラム
anymore •	• 熱料
billion •	• 地球温暖化
add •	• まき
global •	• ～を解決する
kilogram •	• 今はもう～（でない）
global warm- ing	• 10億
add to •	• 増す

Q&A!

1: Why do people need a lot of wood?

_____.

2: Is collecting wood easy for women and children?

_____, _____.

3: How many people use wood to heat food?

_____.

4: How much wood can you save if you use one solar cooker?

_____.

True or False!

1: A solar cooker doesn't use any fuel. ()

2: Cutting trees in forests is one of the causes of global warming. ()

3: People need to cut a lot of trees to use a solar cooker. ()

energy •	• 動力、力
daily •	• 限られた
lives •	• そのような
oil •	• 設備
limited •	• ~のような…
power •	• …の大部分
such •	• 再生可能エネルギー
ground •	• 石油
facility •	• エネルギー
renewable energy •	• 日常
most of •	• ~よりほうへ…
… such as ~ •	• 生活
for the better •	• 地面

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Cooking with the Sun - Part 4

We use a lot of energy in our daily lives. We get most of this energy from gas and oil, but they are limited.

A solar cooker uses solar power. It is an example of renewable energy. There are other examples of this energy, such as water, wind, and natural heat in the ground.

Renewable energy facilities often cost a lot but you may find a simple idea, like a solar cooker. Sometimes a simple idea has the power to change the world for the better.

Q&A!

- 1: What power does a solar cooker use?

- 2: What are other examples of renewable energy?
_____, _____, _____.
- 3: Do renewable energy facilities often cost a lot?
_____, _____.
- 4: Why is solar power better than gas or oil?
_____.

True or False!

1: We get a lot of energy from gas and oil. ()

2: Solar power is limited. ()

3: A solar cooker is a simple idea, but has the power to change the world for the better. ()