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Lessons 5–6 Green energy and Masdar City

- What is green energy?
- Why do you think it is important worldwide?
- Is green energy common in the UAE?

Listening 6

- You are going to listen to an interview with an architect who has worked in Masdar City. As you listen, decide which of the following problems the speaker mentions.
 - Rapid urbanisation.
 - Keeping people warm in winter.
 - Keeping people cool in summer.
 - Reducing the amount of wind.
 - Burning fossil fuels.
 - Having no cooperation between companies.
 - Creating a modern 'green' city.
 - Working with companies throughout the world.
 - Having too many citizens.
 - Having something to pass on to future generations.
- Listen again. The speaker outlines several environmental problems that Masdar City is attempting to solve. As you listen, write notes below what the solution to each problem is. The first has been done for you.



Rapid urbanisation → Investing smartly to reduce energy, water and waste

Keeping people cool in summer — by using the wind

Burning fossil fuels — by using solar power

Working with companies throughout the world — Sharing ideas with companies in the city

Creating a modern 'green' city — by building new businesses, restaurants, schools and apartments

Having something to pass on to future generations — by doing something to protect what we have now

2 Our precious world

When the if clause comes before a main clause, it is followed by a comma.
When the if clause follows the main clause, there is no comma.

Use of English

- 3 These extracts from the listening activity use the first conditional. We use the first conditional to present possible solutions to problems. What do you notice about the position of the comma?

If we use solar power, we will be able to generate clean and fuel-efficient energy.

Or

As long as we create the newest solutions in terms of energy and sustainability, we will share these ideas with companies throughout the city.

- 4 Match clauses 1–3 to clauses a–c and use a suitable conjunction (*unless, as long as, provided that*) to link them. More than one answer may be correct.

- 1 We will solve all the world's energy problems ... **C provided that** a ... we use solar panels.
2 We can use the power of the sun as energy **A as long as** b ... you stop wasting so much energy.
3 Your fuel bill will be very expensive ... **B unless** c ... we all work together.

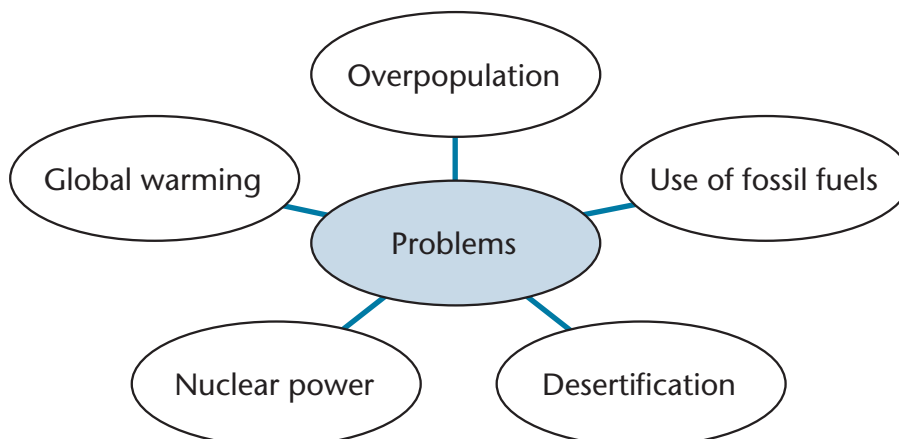
Speaking

- 5 Consider the following problems facing the Earth. Think about what we could do to deal with each problem. Try to use a mixture of conjunctions to present your ideas. Tell your partner.

For example: Natural resources

Unless we change our habits now, the earth will run out of natural resources.

Provided we start using green energy, we will keep our natural resour



Use of English

The first conditional is usually introduced with 'if', but other conjunctions can be used instead.

- unless = if not

Unless we use solar power, we won't be able to generate clean and fuel-efficient energy.

- as long as = suggests that both actions take place at the same time

As long as we use solar power, we will be able to generate clean and fuel-efficient energy.

- provided (that) or providing (that) = only if

Provided that we use solar power, we will be able to generate clean and fuel-efficient energy.