**Listening task**

**Exercise 1.** Listen to the lecture (2.2.) and choose the best answers.

1. Desert farming uses solar energy and *water / traditional farming*
2. NASA has been researching hydroponics because it allows us to grow food *with more water* / *in extreme climates*.
3. The greenhouse is heated by using *fresh water* / *solar power*.
4. The plants grow in a *greenhouse* /*desalination plant*.
5. Food from desert farms contains *no pesticides* / *more salt*.
6. People in *Australia* /*around the world* are excited about hydroponics.
7. Desert farms *use fossil fuels* /*can help solve the global food problem*.
8. The future of hydroponics is *known* /*not known*.

Exercise 2. Listen to the lecture (2.3) and complete the summary

1. Traditional farming uses between ………and 80% of our planet’s ……..water.
2. The farm is ……………….metres from the sea.
3. Heat is ………………….. from the ……………….onto a pipe which has oil inside.
4. The hot oil heats up ………………….
5. When the seawater is at a temperature of ………………°C, the ……………… heats the greenhouse.
6. Where does the rest of the heated water go?
7. What is mean by desalination of water?
8. The desalination plant produces up to ……………………litres of ………………water every day.
9. No…………………..are used during the process.
10. This type of farming has a minimal……………………on the ……………………

What is the main advantage of solar energy over fossil fuels?