

## Unit 13

Watch the video:

**Task 1. Listen to the track again and choose the best option(write only letters of the right answers):**

- 1 The energy crisis began in the -----.  
a) 1917s                                      b) 1970s                                      c) 1970
- 2 Alternative power sources are competitive with fossil fuels.  
a) yes                                      b) no                                      c) not mentioned
- 3 The homeowner is actually selling ----- back to the power company.  
a) electricity                                      b) energy                                      c) fuel
- 4 Researchers here say for----- to really make a difference.  
a) solar energy      b) chemical energy      c) renewable energy
- 5 There hasn't been any great sense of urgency for finding energy-----.  
a) resources                                      b) power                                      c) alternatives
- 6 For decades low ----- prices have kept Americans in their cars usually alone.  
a) energy                                      b) gas                                      c) electricity
- 7 We can run it through a-----technology to make new liquid fuels.  
a) conversation                                      b) conservation                                      c) conversion
- 8 Some farmers have been diverting part of their grain harvest to make a----- called ethanol.  
a) fuel                                      b) liquid                                      c) gas
- 9 They're currently taking their----- and having it turned into fuel grade ethanol.  
a) corn grane                                      b) corn grain                                      c) core grain
- 10 With the current energy situation, labeled a crisis, the urgency for finding reliable -----to fossil fuels may have arrived and for renewable energy the future may be now.  
a) energy                                      b) electricity                                      c) alternative

Watch the video:

## Task 2. Watch the video and complete the sentences.

Around the world, (1) \_\_\_\_\_ use is on the rise and these alternative energy sources could hold the key to conducting climate change. What is renewable energy? Renewable energy is generated from sources that naturally replenish themselves and never (2) \_\_\_\_\_. The most common sources are solar, wind, hydro, geothermal and biomass. Over 80% of eternal energy consumed by humans is derived from (3) \_\_\_\_\_. However, renewables are the fastest growing sources of energy in the world. Renewable energy has many benefits.

First, it can come back climate change because it creates no direct (4) \_\_\_\_\_. The only emissions that they produce are indirect meaning though the result from manufacturing pros, installation, operation and maintenance but even those are minimal. Second, renewable energy can (5) \_\_\_\_\_ and therefore reduce threats to our health. Wind, solar and hydroelectric systems create no air pollution emissions. And geothermal and biomass energy systems emissions are much lower than (6) \_\_\_\_\_ energy sources. Third, renewable energy is a reliable (7) \_\_\_\_\_ because renewable energy sources are well renewable. They will never run out.

Once built, renewable facilities cost very little to operate and the fuel is often free. As a result, renewable energy prices tend to be stable over time. While renewable energy has many advantages, it is not without (8) \_\_\_\_\_.

It is difficult for renewable energy sources to generate power on the same low scale as fossil fuels. Buildings and dams can be a threat to wildlife and lead to (9) \_\_\_\_\_. Both solar and wind energy is (10) \_\_\_\_\_: they only generate power while the sun is shining or while the wind is blowing, i.e. we can store the energy for later use. However, they are often costly. Well, renewable energy presents some (11) \_\_\_\_\_ and it also offers an (12) \_\_\_\_\_ alternative to the greenhouse gas emissions and pollution of fossil fuels. As advances of technology make renewable energy more accessible, affordable and (13) \_\_\_\_\_ and anti-climate change can be within our reach.

## Task 3. Listen to the text again and decide if the following statements are *true* (T) or *false* (F).

1. Alternative energy sources do not hold the key to conducting climate change.
2. Natural resources never run out.
3. Humans consume energy which is derived from water.
4. Renewable energy does not have any advantage.
5. Alternative sources of energy generate a lot of water pollution emissions.
6. Buildings and dams are friendly to wildlife.
7. People can store alternative energy for later use.
8. Anti-climate change is people's further future.
9. Ecological destruction does not depend on modern construction.
10. Due to breakthrough in technology, renewable energy is becoming more accessible and affordable these days.