

NAME & SURNAME: \_\_\_\_\_

Mark your answers ON THE ANSWER SHEET. You have 13 minutes to answer the questions.

Choose the correct option (A-B-C-D) for the following questions using your notes on the first part of the lecture.

1. Which of the following is **NOT** mentioned as a reason to use alternative energy?
  - A. Fossil fuels will finish soon.
  - B. Fossil fuels increase carbon dioxide.
  - C. Fossil fuels cause global warming.
  - D. Fossil fuels are expensive.
  
2. The ancient Chinese and Greeks had buildings facing south because ...
  - A. these places were too hot.
  - B. they wanted to use a complex method.
  - C. Socrates used this architecture.
  - D. they aimed to use heat according to seasons.
  
3. Active solar energy refers to using the sun to ...
  - A. produce electricity.
  - B. look for alternatives.
  - C. preserve fossil fuels.
  - D. end coal resources.
  
4. Which of the following is **NOT** mentioned as an advantage of solar energy?
  - A. Clean production
  - B. Renewable energy
  - C. No installation process
  - D. Little maintenance required
  
5. Currently, solar energy cannot produce a constant supply because ...
  - A. industrial production needs fossil fuels.
  - B. sunlight is not stable all the time.
  - C. its production is too expensive today.
  - D. it is impossible to store solar energy.

Match the dates in column A with their significance in column B. There are **TWO EXTRA** items in column B.

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|--------------|--|
| 6. ____ 1883 | A. The Nobel Prize was given for the theory of photoelectric effect. |
| 7. ____ 1921 | B. Solar energy became a renewable source.                           |
| 8. ____ 1954 | C. Bell Laboratories started working on solar energy.                |
|              | D. The first photovoltaic cell was invented.                         |
|              | E. The first <i>practical</i> photovoltaic cell was invented.        |

Decide if the following statements are TRUE or FALSE according to the first part of the lecture. Write **T** if they are TRUE and **F** if FALSE.

9. \_\_\_\_ A photovoltaic panel can produce energy for up to 30 years.
10. \_\_\_\_ Solar energy will remain expensive for a long time.