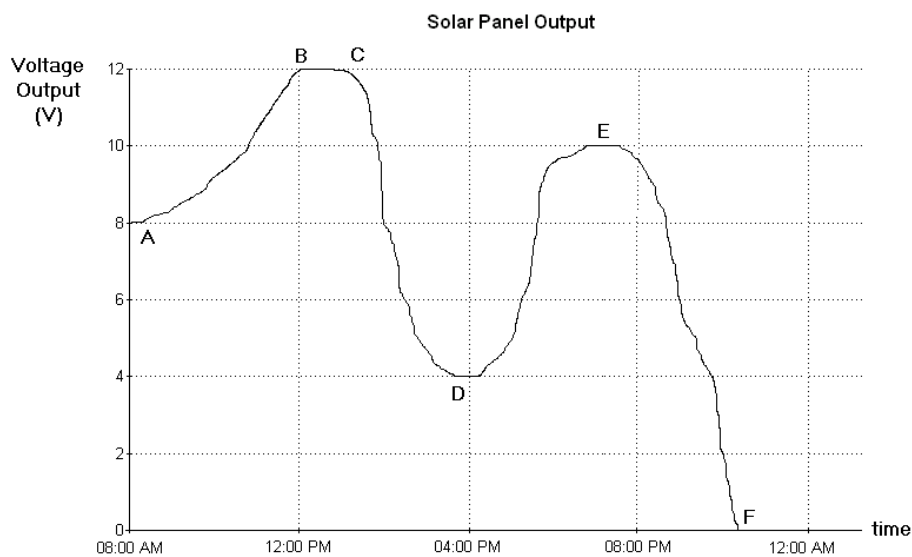


Energy - Homework 2

Sally put a solar panel onto the roof of her house. The solar panel changed light energy from the sun into electrical energy. The voltage output (V) is a measure of how much electrical energy is produced.



She measured the voltage produced by the panel at different times of the day and made a graph. The graph is shown below:



1. The maximum voltage produced during the day was _____ V. [1]
2. The voltage output at 08:00AM was _____ V. [1]
3. Circle the correct letter:

The output voltage is 4V at A B C D E F
The output voltage is 10V at A B C D E F
[2]

4. The sun sets between which 2 letters? ____ and ____ .
[2]

5. During a weather forecast Sally finds out that it may become cloudy in the afternoon. Explain if this forecast was correct, using the graph.
[2]

6. (a) Give one advantage of using a solar panel to provide electrical energy for a house. (1)

(b) Give one disadvantage of using a solar panel to provide electrical energy for a house (1)