

## SOLAR POWER

1. Fill in the gaps with words provided. Beware of the spelling or it will be marked as a mistake.

array                  cell                  charge          electricity          light          panels  
photovoltaic      significant      sunlight

Power produced by harnessing energy from ----- using ----- cells. Certain materials produce small electric ----- when exposed to ----- . Even though the ----- produced by one ----- is very small, a bank of cells organized into solar ----- and a group of panels organized into a solar -----, can produce a ----- amount of electricity.

2. Classify the following statements into advantages (A) or disadvantages (D) of solar power:

- Visual impact
- Very expensive and still requires new technology
- Renewable (Unlimited supply)
- PVs turn sunlight into energy using toxic substances such as cadmium sulphide
- Only efficient under certain weather conditions
- Many of the metals used in PVs are relatively rare and expensive to obtain
- It does not produce carbon dioxide
- It does not contribute to global warming, ozone depletion and does not cause acid rain
- Ideal for small scale energy needs
- Needs sunshine so limited choice of suitable sites
- Generation only occurs in daylight hours