

C At the moment, no one is proposing the creation of a solar power station the size of a small country. But a relatively well-developed technology exists, which proponents say could turn the Sahara's heat and sunlight into a major source of electricity – Concentrating Solar Power (CSP). Unlike solar panels, which **convert** sunlight directly into electricity, CSP **utilises** mirrors which **focus** light on water pipes or boilers to produce very hot steam to **operate** the turbines of **generators**. Small CSP plants have produced power in California's Mojave Desert since the 1980s. The Sahara Forest Project proposes building CSP plants in areas below sea level (the Sahara has several such depressions) so that sea water can flow into them. This water would then be **purified** and used for powering turbines and washing dust off the mirrors. Waste water would then supply **irrigation** to areas around the stations, creating lush oases – hence the 'forest' in the group's name.

Choose **NO MORE THAN TWO WORDS** from the passage for each answer.

Concentrating Solar Power (CSP)

Unlike solar panels, CSP concentrates the sun's rays on boilers by using 10 The resulting heat produces high-temperature 11 , which in turn moves the turbines which generate electricity. CSP plants will be situated in 12 to allow sea water to run in. This, when purified, can be used to wash the equipment. The resulting dirty water will be used for 13 around the power plant, and in this way oases will be formed.