

## Energy on Mars

Insert the missing words

*The Sun, power, heat, oxygen, light, dust storms, solar cells*

On Earth, we use \_\_\_\_\_ for many of the same things that we need on Mars. The difference is that on Mars we risk dying if we do not always have power for the most essential things such as the production of \_\_\_\_\_ and \_\_\_\_\_ on the base.

On Mars, our power will, among other things, be made of \_\_\_\_\_, which transforms the Sun's \_\_\_\_\_ into power. But there are some problems with being very dependent on the light of the Sun. The first problem is that \_\_\_\_\_ moves. The next problem is that the Sun does not always shine, both because it also becomes night on Mars and because there often are large \_\_\_\_\_, which shadows the light of the Sun and covers the solar cells.

**What are the challenges of making energy and power on Mars?**

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**Draw your solar cells on the back with a robot system that ensures that electricity is always produced for your base.**

*Consider what to do when the sun is not shining, or the solar cells are being covered in dust.*