

Science
The Sun
Book: Space
Pages 12-25

Students: Fill in the answers and return for assessment

Everything here is based on our Curriculum Visions Space book.

In this segment, we are going to learn more about the Sun.

You will need to go to pages 12-21 of the book.

Part 1

Why does the Sun shine with a yellow-white light?

What is the difference in temperature between the surface of the Sun and the centre?

Answer ...

Because the surface is around the same temperature at a light bulb.

$15\text{ million} - 6000 = 14994000\text{ degrees C}$

Part 2

What is the Sun made up of?

What is the solar wind?

Describe the surface of the Sun. You may like to draw a picture.

Answer ...

The Sun is made up of gases.

Streams of particles that are constantly coming off the Sun.

Answers may include: the gases are constantly moving from the centre to the outside and back again; fountains of material shoot up (flares), solar prominences shoot out from the surface

Now turn to pages 22-23 of the book.

Part 3

Why does the Moon appear to be the same size as the Sun, when seen from Earth, even though it is much smaller?

What is an eclipse?

Answer ...

The Moon is much closer than the Sun, so it appears larger from Earth.
When the Moon passes in front of the Sun and almost covers the disc of the Sun, cutting off sunlight.

Now turn to pages 24-25 of the book.

Part 4

Why does the Sun appear to change in appearance each day?

Answer ...

Because it is spinning and it is made up of a boiling mass of gas, so as it spins, the gas is constantly changing in appearance.

That is the end of this worksheet, and you can now turn to another one. Also, find out if your teacher has left you any other worksheets or special instructions on your school website.

If you are interested in this topic, continue to browse the book and watch our amazing videos. They start right on the book cover.

Or you may want to see related books. If so just go to the top of the screen, select science, and from the page that opens choose Space.