

This story is from page 9 of *First News*. Read the story, and then try the puzzle. To help you, we have underlined the answers to the crossword puzzle clues in the story – but you will need to match the correct word with each clue!



SCIENCE NEWS

SUNNY SCIENCE

A JOINT mission between NASA and the European Space Agency will head to the sun today (Friday 7th February).

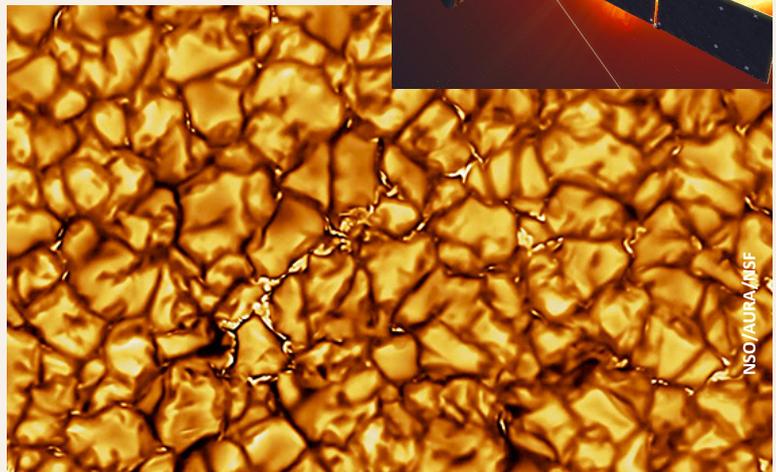
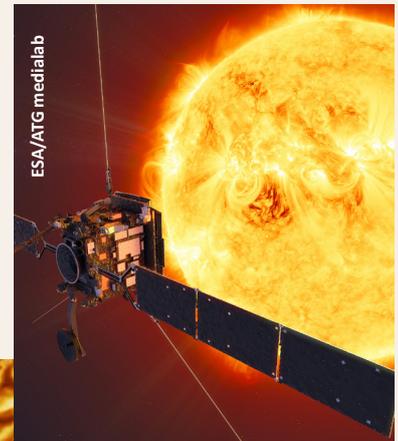
Solar Orbiter is launching from Florida, USA. Its mission is to examine the sun's polar regions and study the sun close up.

On its way, it will use the gravity of Earth and Venus to change its path and swing closer to the sun. In total, it will orbit (circle) the sun 22 times.

Its first close pass to the sun will take place in 2020, when it will be just a third of the Earth's distance from the sun. Unsurprisingly, the satellite has been designed to cope with extreme heat!

Meanwhile, on Earth, a telescope is giving scientists the most detailed images of the sun ever. The picture, right, is the first image from the telescope, called DKIST, in Hawaii. It sits on top of a mountain called Haleakalā, meaning 'the house of the sun'. Each 'cell', or blob, you can see is about the size of the US state of Texas!

The telescope will help us to learn more about the sun's magnetic field, and how eruptions on its surface can affect electronic systems on Earth.

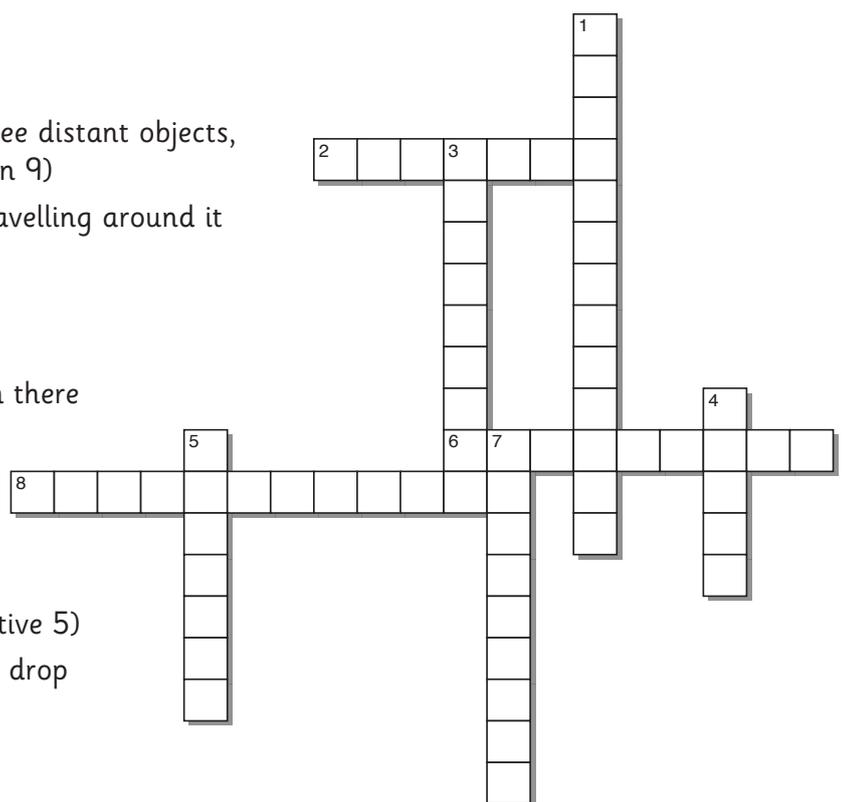


ACROSS

- 2) An important task (noun 7)
- 6) This piece of equipment allows people to see distant objects, such as planets and stars in outer space (noun 9)
- 8) This satellite will monitor the sun while travelling around it (proper noun 5,7)

DOWN

- 1) This is the area around a magnet in which there is magnetic force (noun 8,5)
- 3) A small object that orbits (revolves around) a larger object in space, such as spacecraft or a moon (noun 9)
- 4) Relating to the North or South Pole (adjective 5)
- 5) The force that makes things fall when you drop them (noun 7)
- 7) Explosions (plural noun 9)



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The answers to the clues are all words in the story. Answer the clue and then underline the word.



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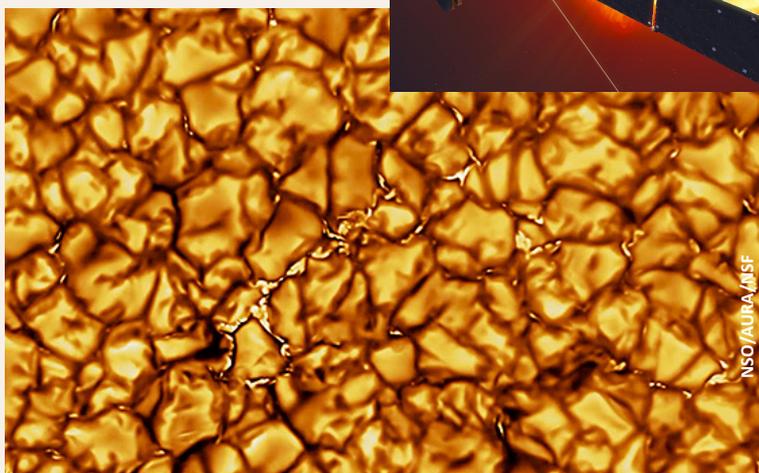
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