Go to the Astronomy Inspires gallery and watch the video. Where did all of the elements we see on Earth originally come from?

Meteorites are relics from the birth of the Solar System. The composition of a meteorite tells us about its birthplace: a high fraction of light elements (that have low boiling points) suggests they were made in the outer colder regions of the Solar System whereas a high percentage of heavier elements suggests a formation site in the warmer inner regions.
Go to the *Astronomy Explores* gallery and look at the Allende meteorite. Shade in the correct elements in the periodic table below.

Which part of the Solar System do you think meteorites come from?

You can see a large meteorite near the entrance. We can study a meteorite that has landed on the Earth by cutting it open and analysing the material. Most space objects are too far away for us to take samples for analysis.
Use the exhibits in this gallery to learn about the tools astronomers use to understand the Universe. How can we find out the composition of stars?

Go to the **Studying Starlight** activity. Choose **Orion**.

**What type of star is Betelgeuse?**

**What type of star is Bellatrix?**

Why are these stars different colours?