

Visit Trail



Astronomer Trail

Cub Scout Trail

Name:

Pack:

Date:

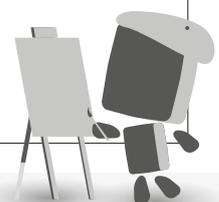


To begin the trail, go to the **Our Solar System** gallery.

Question 1

Draw a simple diagram of our Solar System.

Hint: use the model above your head in the gallery entrance to help you.





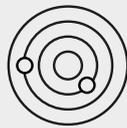
Question 2

What is the difference between a planet and a star?

Hint: use the information in Our Solar System gallery to compare the differences between planets and stars in our Solar System.

Stars produce their own light, are hot and luminous. They also twinkle as a result of the light interacting with the atmosphere. Stars change their position in the sky over time.

Planets do not produce their own light and energy, are relatively cool and non-luminous. They do not twinkle, and orbit stars, also spinning on their own axis.



Now look at the **Planet Earth** exhibit in **Our Solar System** Gallery.

Question 3

Describe the way in which the Earth moves around the Sun.

Hint: look for some facts about the relationship between the Sun and the Earth (e.g. the distance between them, how long the Earth takes to orbit the sun).

The Earth orbits the Sun. An orbit is a curved path that an object in space takes around a star, planet or moon.

The distance between the Sun and Earth is 149.6 million kilometers, with the Earth taking 365 1/4 days to make a full orbit around the sun.



Now look at the **Moon** exhibit in **Our Solar System** Gallery, as well as Deck 4 of the Rocket Tower

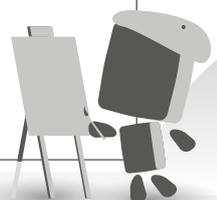
Question 4

Describe the features of the Moon

Question 5

Have a go at using Professor Clegg's Observatory.

**Can you identify three constellations in our night sky? Can you draw them?
Why not look online and find out their stories when you get home?**





Question 6

Use the boxes below to write out about two different space topics found in the National Space Centre.

Hint: why not look in our Rocket tower or other Galleries for ideas? Think about facts which you could share with other cubs in your Pack, or your classmates at school - what would they find interesting?

