

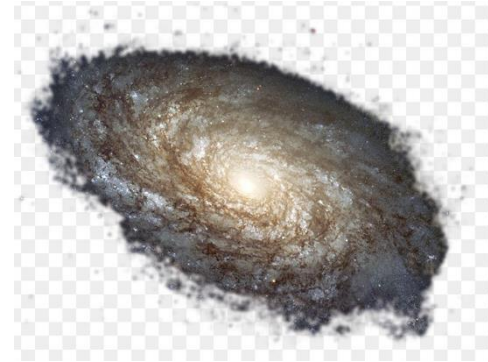
Our Address in Space – Part 2

Line 3 – The Milky Way

Why is our galaxy called the milky way? – The Ancient Greeks looked up and saw the edge of the milky way, and thought it looked like a ‘circle of milk’. Which over time turned in to our name for the Milky Way!

What is at the centre of our galaxy? – A Supermassive black hole!

What will the Milky way be like in billions of years? – In 4.5 billion years, the Milky Way will collide with our nearest neighbour galaxy, Andromeda. They’ll merge together into a whole new galaxy!



Age: 13.5 billion years

Number of Stars: Around 250 billion

Width: 6 hundred, million, billion miles (1 hundred thousand Ly)

Line 4 – The Universe

How did the Universe begin? – With a big ***bang!*** 13.9 billion years ago, the Universe began with an enormous explosion. To this day, the Universe is still expanding!

Other than moon, planets, stars, and galaxies what else is in the Universe? – Black holes, neutron stars, quasars, nebulae, and more!

What will happen to the Universe in the future? – We don’t know! But there are a few possibilities. A big ***crunch***, a big ***freeze***, or a big ***rip!***

Every light in this picture is a galaxy! With hundreds of billions of stars, and thousands of billions of planets!

Age: 13.9 billion years

Number of galaxies: 2 thousand billion

Width: 93 billion light years

