NASA’s probe ‘Juno’, launched in 2011, entered orbit around Jupiter this week. Amongst other things, it’s going to be investigating the planet’s chemical composition. Here’s what we know so far.

**WHAT CAUSES THE COLOUR OF JUPITER’S GREAT RED SPOT?**

Scientists still aren’t 100% sure what causes the Great Red Spot’s colour. The most recent suggestion is that UV light from the sun causes ammonia and acetylene gases in the top layers of clouds to react, producing cyanide-like molecules. Previous suggestions implicated either sulfur or phosphine as the colour’s cause.