

MEET THE LEPTONS!

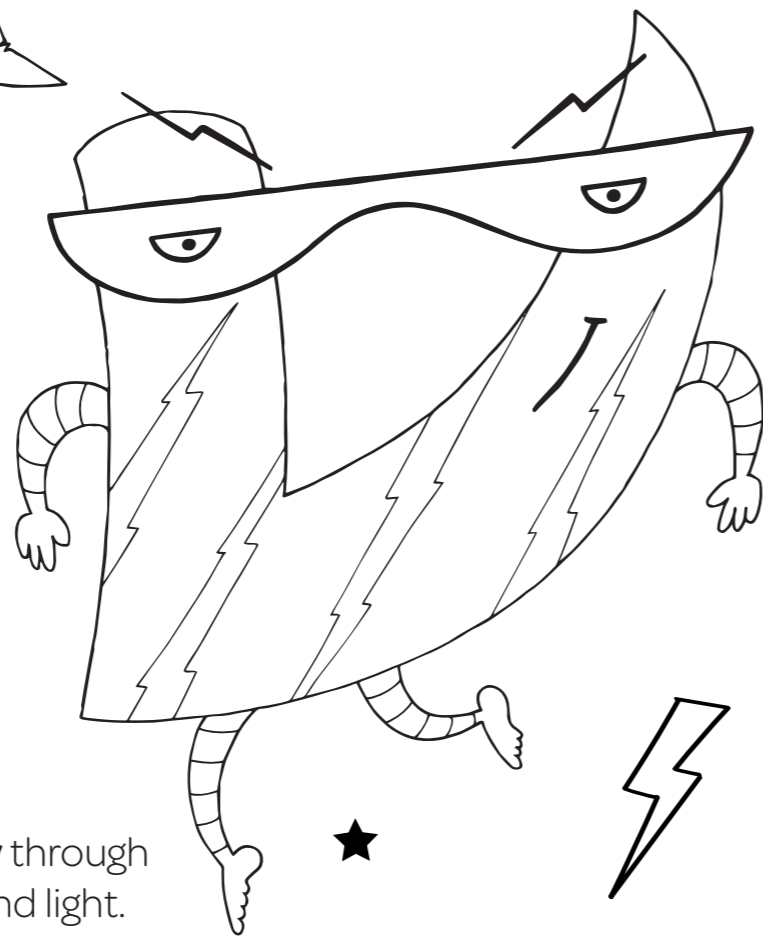


I am an **electron** and I am the lightest particle with an electric charge!

Electrons generate **electricity** when they move!

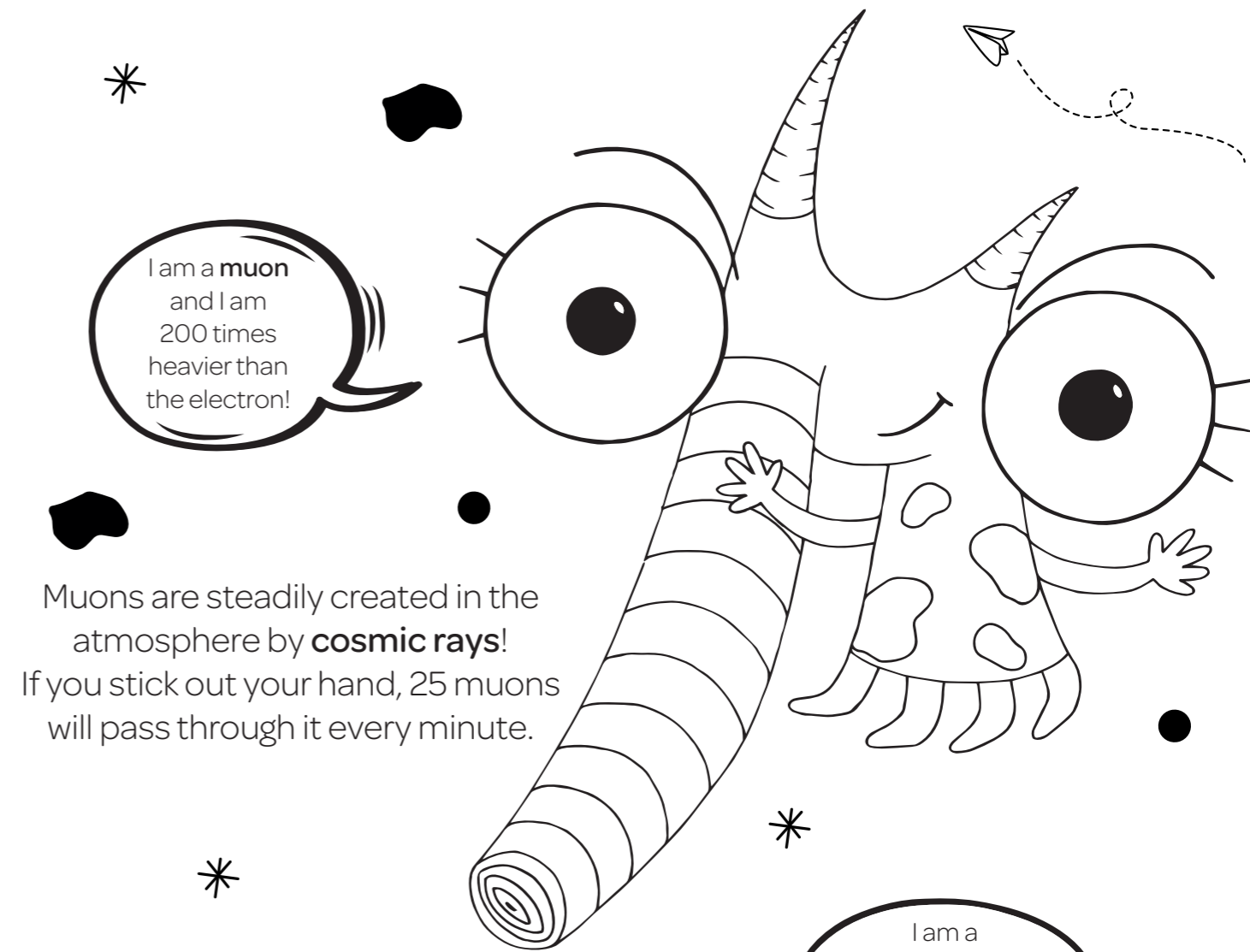
Electrons were the first elementary particles to be discovered – back in 1897!

I am an **electron neutrino**. As I have no electric charge, I am not affected by the electromagnetic force. That's why you don't notice me!



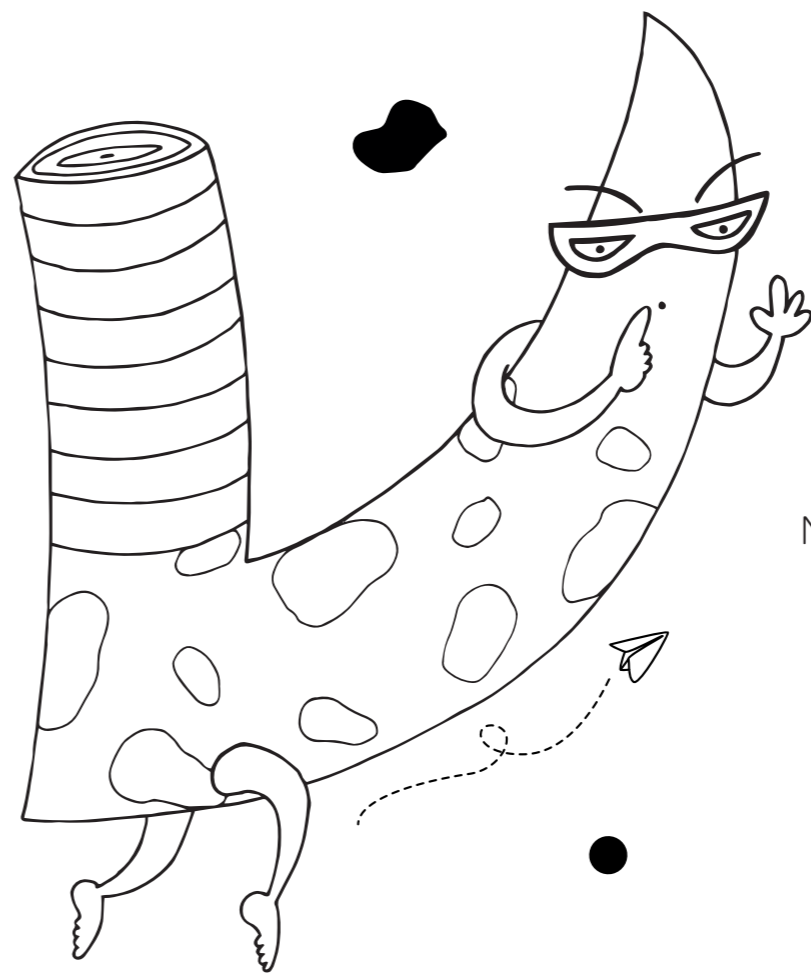
The Sun makes **a lot** of electron neutrinos – 500 billion pass through your hand every second!

In fact, the Sun sends out **more energy** through neutrinos than it does through heat and light.



I am a **muon** and I am 200 times heavier than the electron!

Muons are steadily created in the atmosphere by **cosmic rays**! If you stick out your hand, 25 muons will pass through it every minute.



I am a **muon neutrino** and my discovery proved that more than one type of neutrino exists!

Neutrinos are still **very mysterious**. Why do they have mass? Which neutrino is the heaviest? There's a lot left to learn!