12	The following passage is taken from an article about the history of particle physics.
	Mystery Particle
	By 1932 scientists knew of the existence of the subatomic particles the <u>electron</u> , the <u>proton</u> and the <u>neutron</u> . These were believed to be the fundamental particles.
	In 1936 scientists were using tracks of cosmic rays to identify a predicted particle known as a <u>meson</u> . Instead, another particle was discovered, the <u>muon</u> . This was so surprising that Nobel Prize winning physicist Isidor Rabi said "Who ordered that?"
	Describe how the underlined particles fit into the standard model.

(Total for Question 12 = 6 marks)