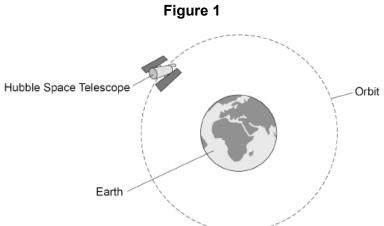
## Questions are for separate science students only

Q1.			
Th	ne U	Iniverse contains many stars. (Physics only)	
(a)	)	The Sun is the star at the centre of our solar system.	
		Give <b>three</b> other types of object that form our solar system.	
		1	
		2	
		3	
			(3) (Total 3 marks)

## Q2.

Figure 1 shows the Hubble Space Telescope orbiting the Earth. (Physics only)



alculate the frequency of the microwave. se the Physics Equations Sheet.	anaaa talaaa	on a ways majorawayayaa ta aamamayaisata with the Fouth
The speed of microwaves through space is 3.0 × 10 <sup>8</sup> m/s.  Calculate the frequency of the microwave.  Use the Physics Equations Sheet.  Give your answer in standard form.		
Calculate the frequency of the microwave.  Use the Physics Equations Sheet.		-
Jse the Physics Equations Sheet.	The speed of n	nicrowaves through space is 3.0 × 10° m/s.
	Calculate the fr	requency of the microwave.
Give your answer in standard form.	Use the Physic	s Equations Sheet.
	Give your ansv	ver in standard form.

Frequency (in standard form) = \_\_\_\_\_ Hz

(c)

	2	
u	5	

(a)

Galaxies contain billions of stars. (Physics only)