	ght on Astronomy) Episode II:		
Draw a diagram of the Ea	arth orbiting the Sun.		
What is a year?			
Annroximately how man	v times has the Farth orbited t	ne Sun since vou w	vere born?
vviiy is a year 505/4 days			
Fill in the table below.			
	Actual Diameter (kilo	metres, km)	Relative Diameter
Earth			1
Sun			
With respect to the bottor	n right cell of the table, this me	ans that the sun is	s times wider
than the Earth.	_		
The Earth is about		km from the s	un. This is approximately
Sun diameter	·S.		
On a scale model, if the S	Sun had a diameter of 1 metre,	the Earth would ha	ave a diameter of
	and it would have to be placed	J	from the Sun.
Why do we have leap ye	ars?		
		-	, so, <u>in terms of degrees</u> , the Earth
			rbit. This equates to a <u>distance</u> of
		metres.	
•	e earth is in the position showr		
position			
(a) 7 days later,			
(b) 6 weeks later			110° 100° 90° 80° 70°
(c) 3 months (90 days) la	ter, and	130° 120	50.
(d) 6 months later.		100	B.
	which	150	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
means		78° 160° 160° 160° 160° 160° 160° 160° 160	700
DC stands for		3700	10°
BC stands for CE stands for		[80]	O,
CE STATIOS TOT		•	CLINI