Astro 1: Introductory Astronomy



The Earth moves in its (nearly) circular orbit

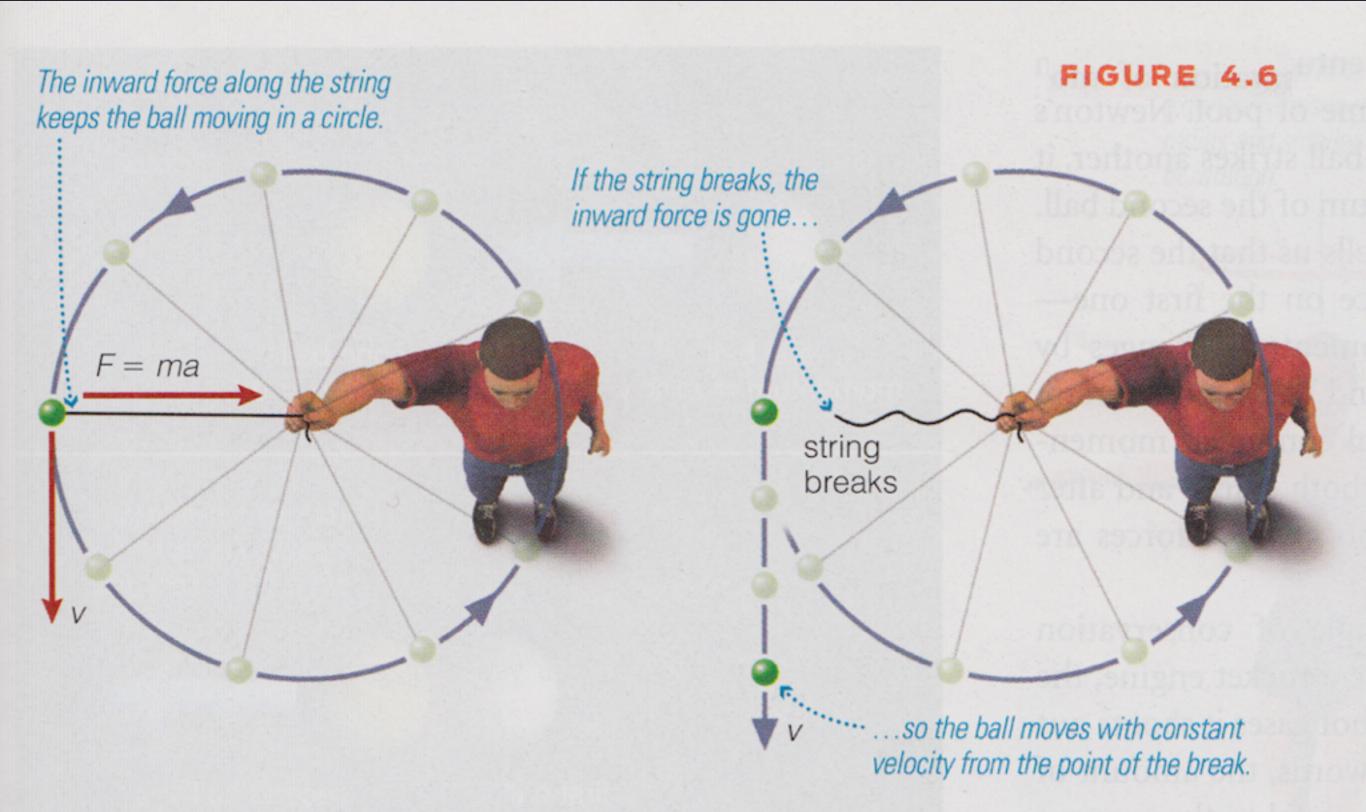
it goes around the Sun once in a year (3.15 X 10⁷ s)

I Astronomical Unit (A.U.) = (1.50 X 10¹¹ m)

How fast does the Earth move?

you do not need any of the physics from Ch. 4

How long does it take the Earth to move a distance equal to its own diameter?



a When you swing a ball on a string, the string exerts a force that pulls the ball inward.

b If the string breaks, the ball flies off in a straight line at constant velocity.

Cavendish Experiment: for measuring the strength of gravity (G)

