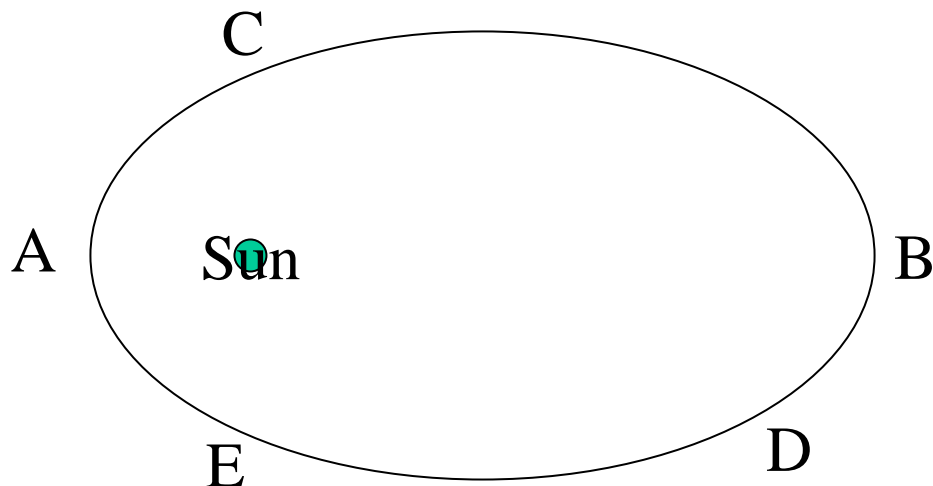




Some Clicker Questions - #1

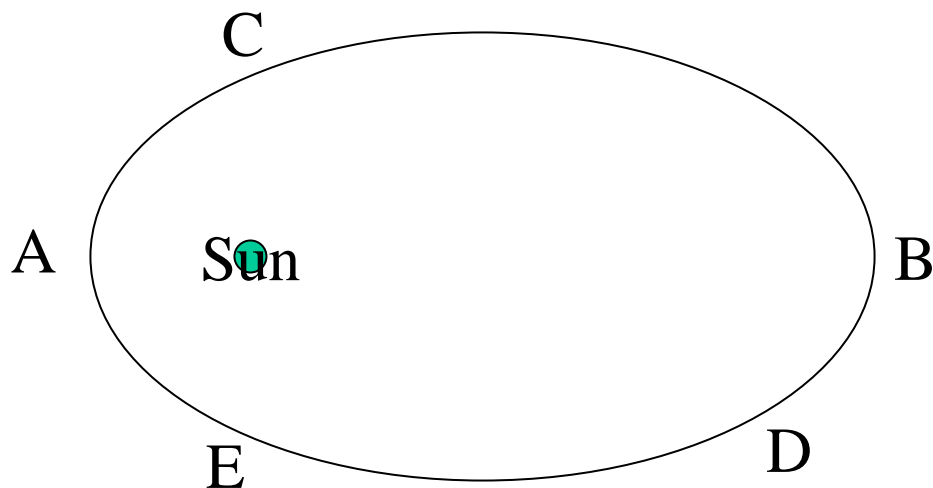


What point on the orbit is the acceleration the largest?

A B C D E



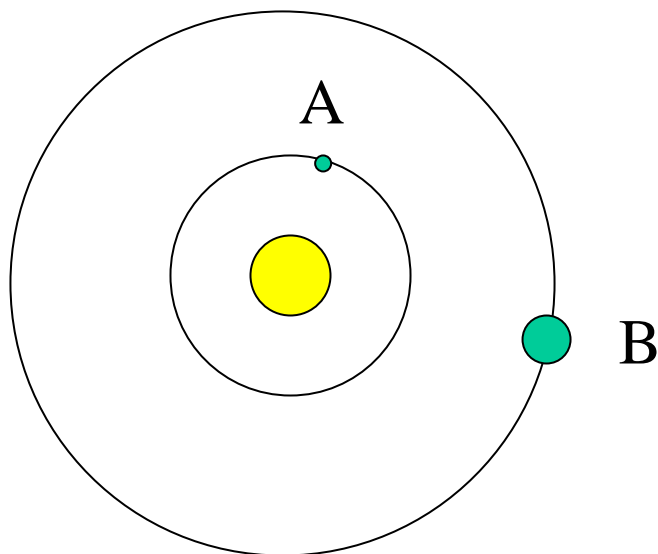
Some Clicker Questions - #2



Which location in the orbit is the planet moving the fastest?

A B C D E

Some Clicker Questions - #3



Planet B has 20 times more mass than planet A. Which planet has a larger acceleration?

- A** **B** **C) It is not possible to tell**



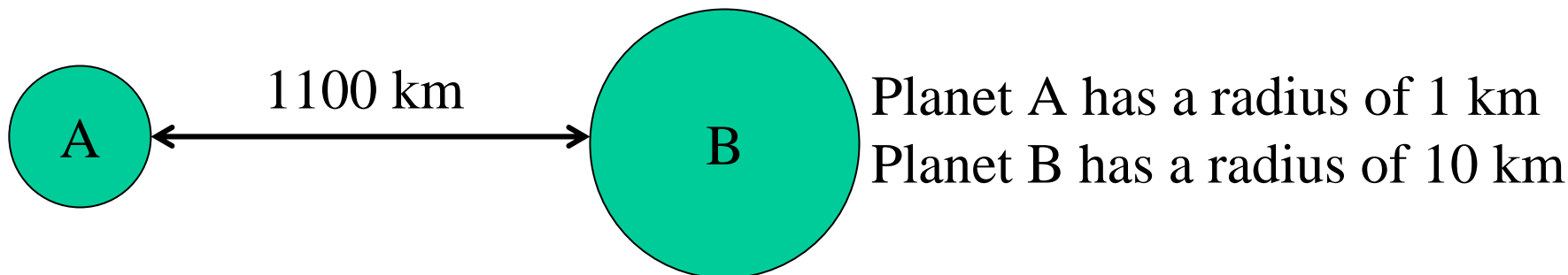
Some Clicker Questions - #4

Why is an astronaut in orbit weightless?

- A). Because they are always in free fall, but constantly miss the Earth.**
- B). Because gravity from the Earth and moon cancels.
- C). Because gravity from the Earth and Sun cancels.
- D). Because there is no gravity in space.

Some Clicker Questions - #5

$$F = \frac{Gm_1m_2}{r^2}; G = 6.673E - 11 Nm^2 / kg^2$$



What distance would we use for r in Newton's formula for gravity? Note you must use kg and m for the formula to work.

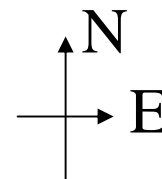
- A). 1000 m B). 1000 km C). 1111.0 km **D). 1111.E3 m** E). 1110.E6 m



Some Clicker Questions - #6

Jane is running east with a speed of 2 m/s. When she gets directly south of Susan, she throws the ball at 2 m/s. What directions should she throw the ball?

● Susan



Jane ● →



Hint: → + x = ↑