

GRAVITY

I can explain what gravity is
and identify where it can be
observed in space.

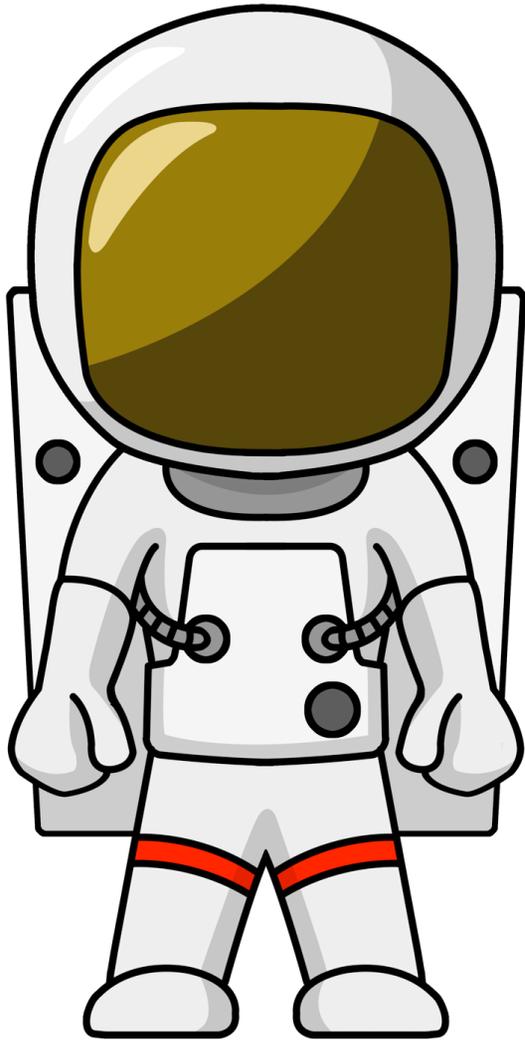
Review from yesterday and Gravity Probe

Gravity:

Gravity is a force of attraction between objects (with mass)

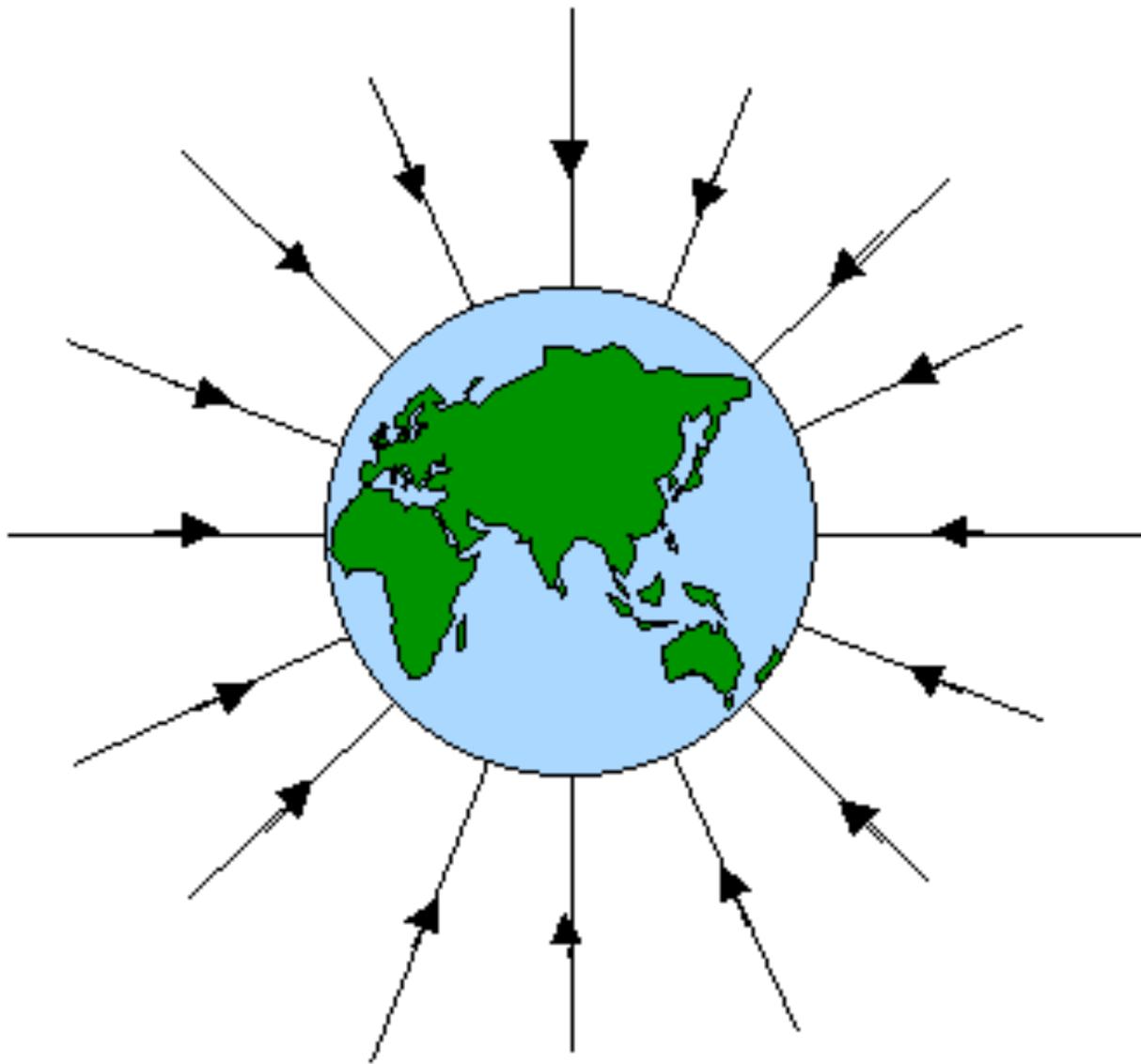
Everything that is anything has mass, thus everything has gravity

The greater the mass of an object the greater the gravitational force.

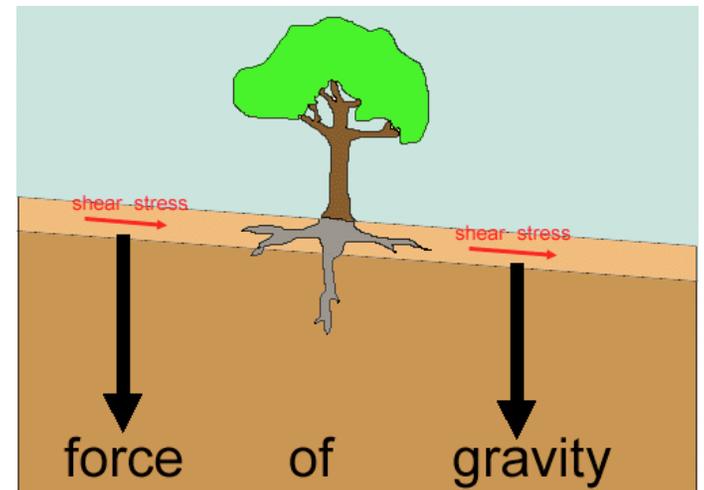


Attracted to each other by gravity





You can't fall off of Earth because gravity is always pulling you down.



Tides



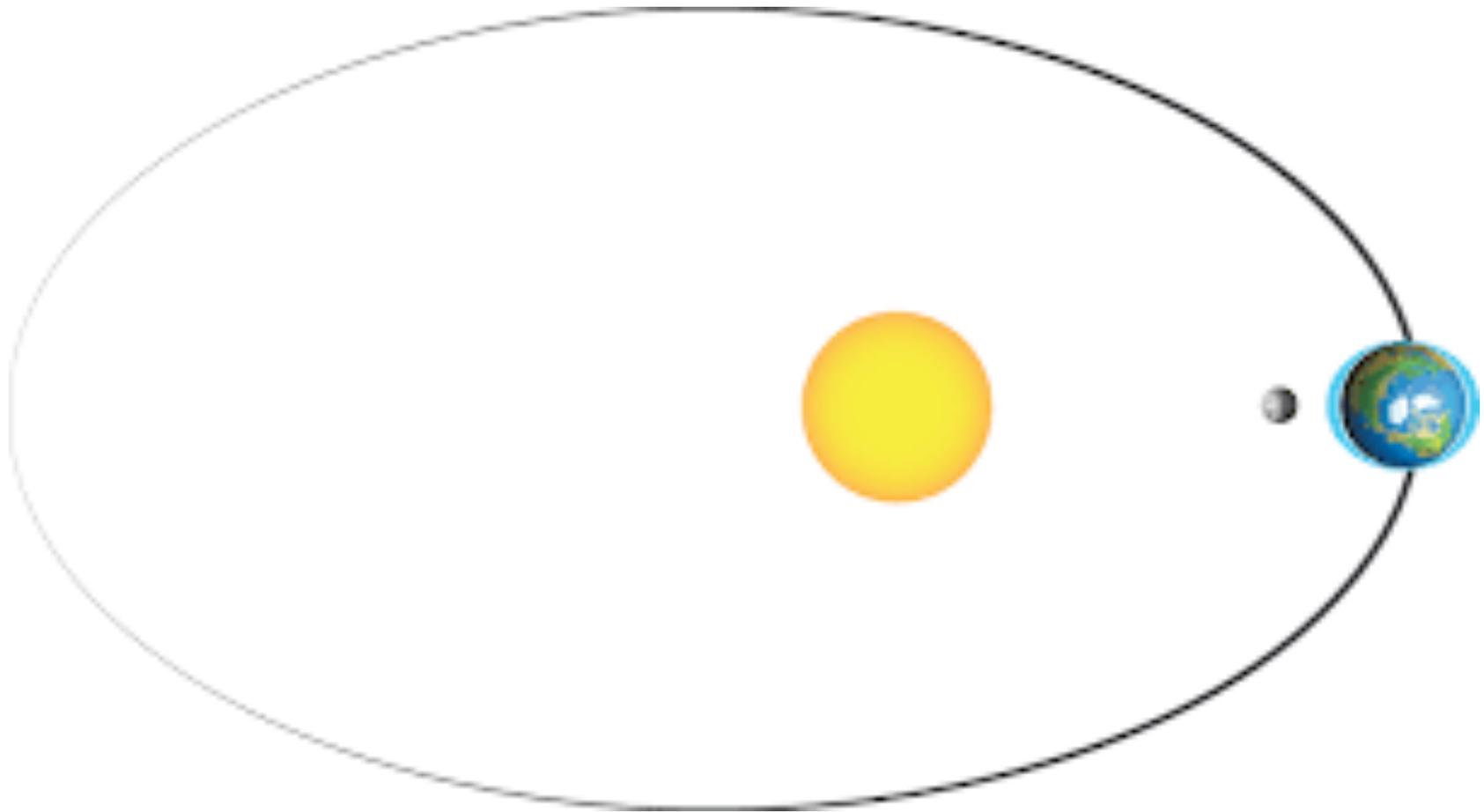
Earth tugs on moon



Moon tugs on Earth



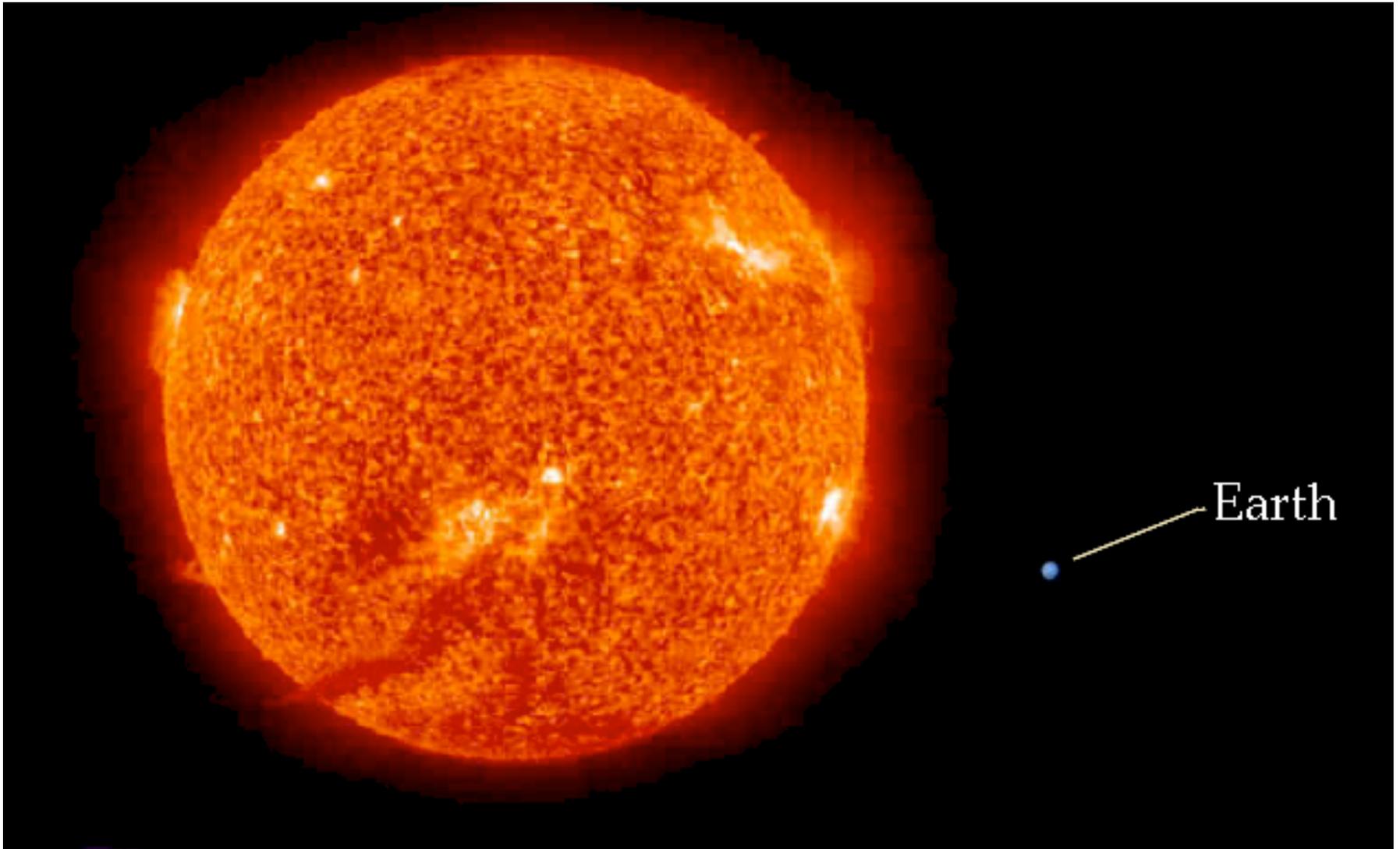
Super Tide



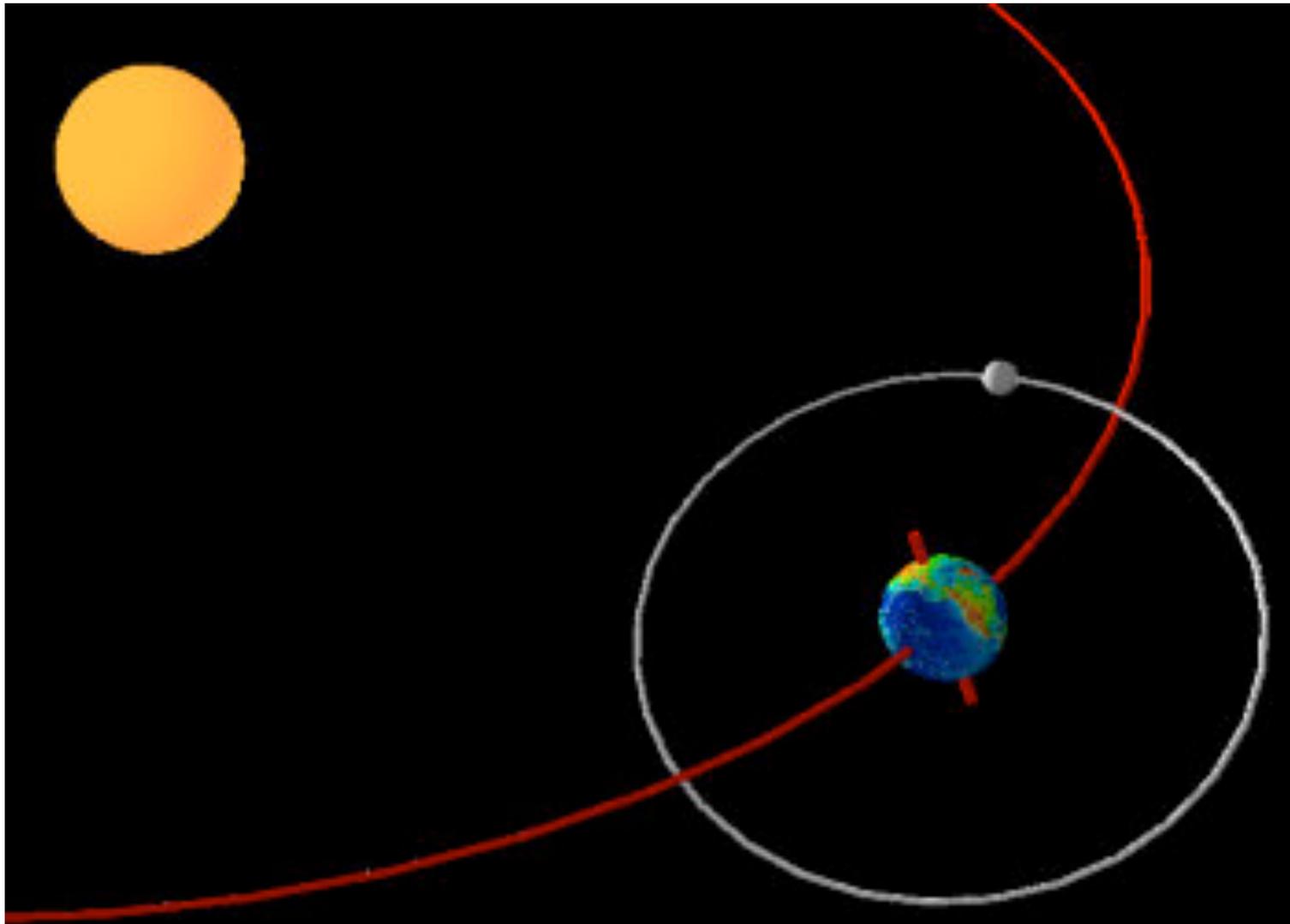
Brainpop Gravity



Which has more of a gravitational attraction, Earth or the Sun?



So why does the Moon orbit the Earth and not the Sun?



Turn and Talk:

People often say that there is no gravity in space. Explain why this is not accurate.

Partner A: People often say that there is no gravity in space, this is not accurate because

For example, _____.

Partner B: I heard you say _____, is this correct?

[Partner A responds].

Partner B: I agree/disagree with you because

Turn and Talk:

Rather than say that there is no gravity in space, what would be more accurate to say?

Partner B: Rather than say that there is no gravity in space, it would be more accurate to say _____.

For example, _____.

Partner A: I agree/disagree with you because _____.

Another way to say this is _____.

Gravity Tractor Article

