1) Take out Astronomy quiz review.
2) Take out agenda.
3) Write down:
   quiz on Monday
   jump height lab due Tuesday
4) Take warm-up from Lab Table #6.
5) Complete warm-up quietly at your desk.

Astronomy Quiz Review

Can you…

Describe the Earth's address in the universe.

Earth, Solar System, Milky Way, Universe

Place the following in size order: Galaxy, Solar System, Planet, Universe

Smallest to biggest: Planet, Solar System, Galaxy, Universe

Biggest to smallest: Universe, Galaxy, Solar System, Planet

Compare Revolution times of planets to the distance from the sun.

The revolution time of a planet increases, as its distance from the sun increases.

Name the planets* in order, based on proximity to the sun.

Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune

*Sorry Pluto, no dwarf planets

Explain why the planets orbit the sun.

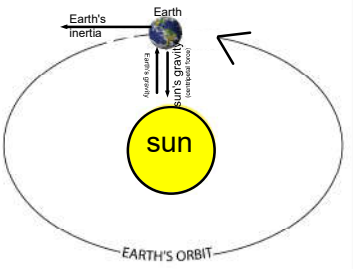
It is the balance between the planet's inertia and the gravity of the sun. The inertia keeps the planet in motion, and the gravity, changes the direction of the planet.

Vocabulary (Define on the backside)

Galaxy, Inertia, Solar System, Universal Law of Gravitation, Mass, Planet, Gravity, Universe

Vocabulary: Check Quizlet

Search "psinusas"



The Earth orbits the sun in an elliptical pathway once every 365.25 days. The reason that this happens is due to the perfect balance between the Earth's inertia and the sun's gravity. The Sun's gravity pulls on the Earth and the Earth's gravity pulls on the Sun. The Earth's inertia keeps it moving. Because the gravity of the Sun and the inertia of the Earth are balanced, it forces the orbit to be elliptical. It is like a perfectly balanced tug of war between the gravity of the Sun and the Earth's inertia.

What would happen to the Earth if the sun had a greater mass?

The sun would have more gravity, so the Earth would crash into the sun.

What would happen to the Earth if the sun had a smaller mass?

The sun would have less gravity, so the Earth would keep going and leave the solar system.

What would happen to the Earth if it had greater inertia?

The Earth would keep going and leave the solar system.

What would happen to the Earth if it had less inertia?

The Earth would crash into the sun.