

# Solar System Vocabulary Grid

in Interactive Notebook

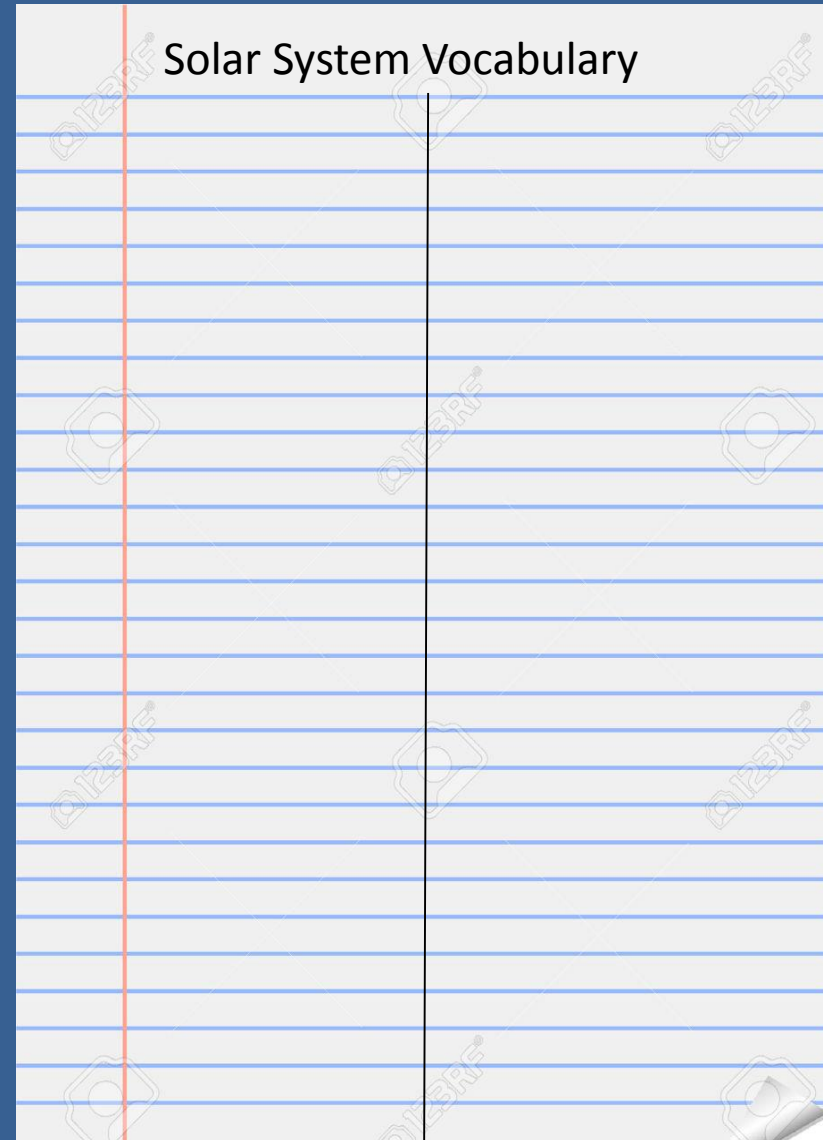
- Go to page ???
- Table of contents???

# Set up the grid

Title the page:

Solar System Vocabulary

Draw a line down the  
center through the lines



## Solar system Vocabulary

### Astronomical Unit

AU -

The distance from  
Earth to the Sun

### Period of Revolution

The time it takes  
one object to go  
once around  
another object

### Period of Rotation –

The time it takes an  
object to spin once  
on its axis

## Solar system Vocabulary Page 2

### Law of Universal Gravitation

ALL objects are attracted to each other by a gravitational force

### Geocentric model –

- An historic model of the solar system with Earth in the center
- geo means earth

### Heliocentric model –

- A more recent model of the solar system with the Sun in the center
- Helio means Sun

## Solar system Vocabulary page 3

### planet –

1. Orbits the Sun
2. Has a nearly spherical shape
3. Has larger mass than the total mass of all other objects in nearby orbits
4. Has a clear orbital path

### Dwarf planet –

1. Orbits the Sun
2. Has a nearly spherical shape
3. Does NOT have more mass than objects in nearby orbits
4. Does NOT have a clear orbital path

### asteroid –

Small, rocky object with an irregular shape that orbits the Sun in a belt between Mars and Jupiter

### comet –

Object made of gas, dust & ice that orbits the Sun in a long elliptical path

## Solar system Vocabulary

<p><u>Astronomical Unit</u> <u>AU</u> - The distance from Earth to the Sun</p>	<p>About 150,000,000 km</p> <p><b>Used because objects in the solar system are so far apart</b></p>
<p><u>Period of Revolution</u> The time it takes one object to go once around another object</p>	<p>1 year</p> <p>365.24 days on Earth</p>
<p><u>Period of Rotation –</u> The time it takes an object to spin once on its axis</p>	<p>1 day</p> <p>24 hours on Earth</p>

## Solar system Vocabulary Page 2

### Law of Universal Gravitation

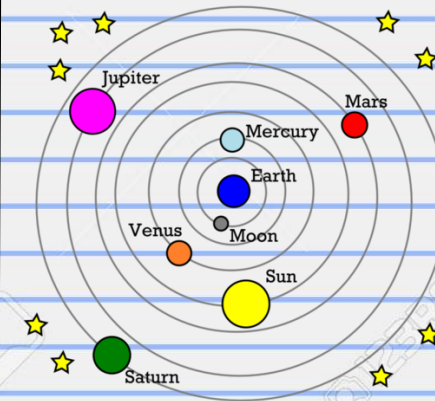
ALL objects are attracted to each other by a gravitational force

Strength depends on **mass & distance**  
**more mass, closer - stronger force**

Inertia –  
A tendency to stay at rest or move in a straight line

### Geocentric model –

- An historic model of the solar system with Earth in the center
- geo means earth



### Heliocentric model –

- A more recent historic model of the solar system with the Sun in the center
- Helio means Sun

