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How has mankind’s need to explore led to our current view of the solar system?

**Heliocentrism**

**Geocentrism**

**Beginning to Make Sense of the Universe**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - observed 5 planets (wandering \_\_\_\_\_\_\_\_)
2. Aristotle (350 B.C)
	1. Earth did not move.
	2. \_\_\_\_\_\_\_\_\_ at the center of the solar system

**Our Growing Solar System**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - discovered in 1781
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - discovered 1801
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - discovered 1846
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - discovered 1930
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - discovered in 1992
6. Oort Cloud, dwarf planets, and Plutoids – our understanding of the solar system continues to evolve as exploration continues
7. Ptolemy(150 A.D.) – refined the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ model
	1. Epicycle – smaller circles around larger \_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_ way to explain the movement of the planets

**The Revolution Begins**

1. Copernicus (1500’s)
	1. Introduced the heliocentric (\_\_\_\_-\_\_\_\_\_\_\_\_\_\_) model of solar system.
2. Brahe (1580’s) & Kepler (1600’s)
	1. \_\_\_\_\_\_\_\_\_\_\_\_\_ made detailed astronomical observations
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ planets move in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Galileo (1600’s)
	1. First used a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to look at the night sky
	2. Evidence for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		1. Jupiter - \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		2. Venus - \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		3. Sun - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Newton (1680’s) – explained how planets stay in orbit
	1. Inertia – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Gravity –\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Our First Views of the Universe**

1. Egyptians (3,000 B.C.)– studied the star \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_to determine when the Nile River would flood
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (3,391 B.C.)- begin measuring time and eventually create complex calendar
3. Stonehenge(2,000 B.C.) – may have connections to summer and winter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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