

# Contributing Astronomer Presentations Review

Fix your notes and use them to get ready for the test

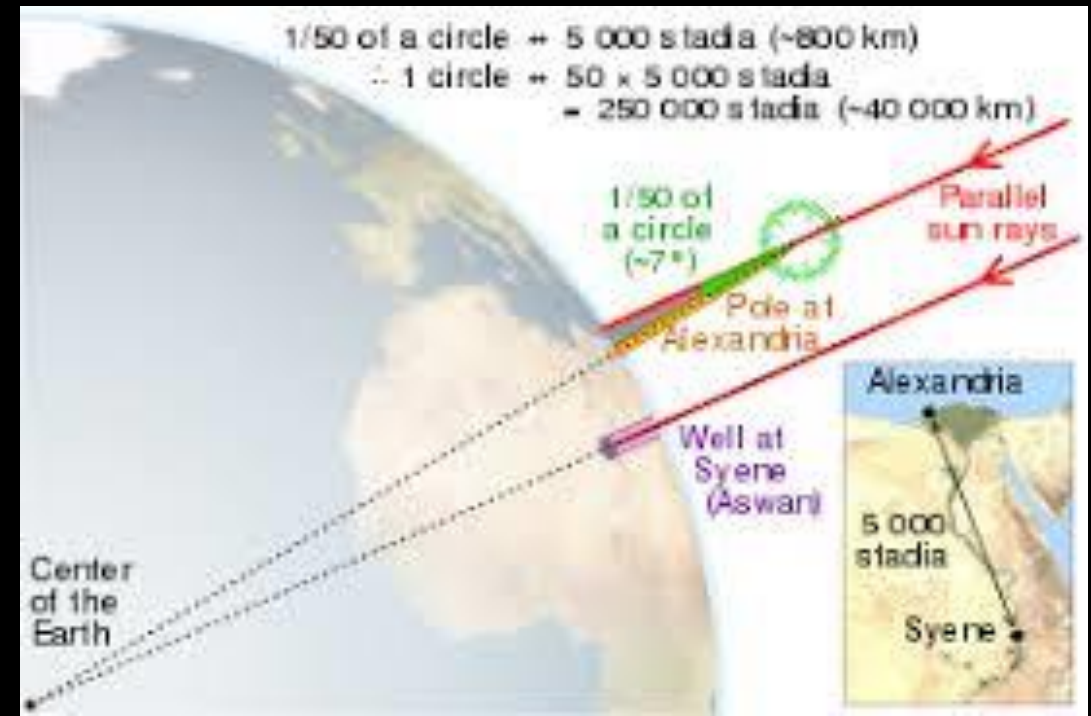
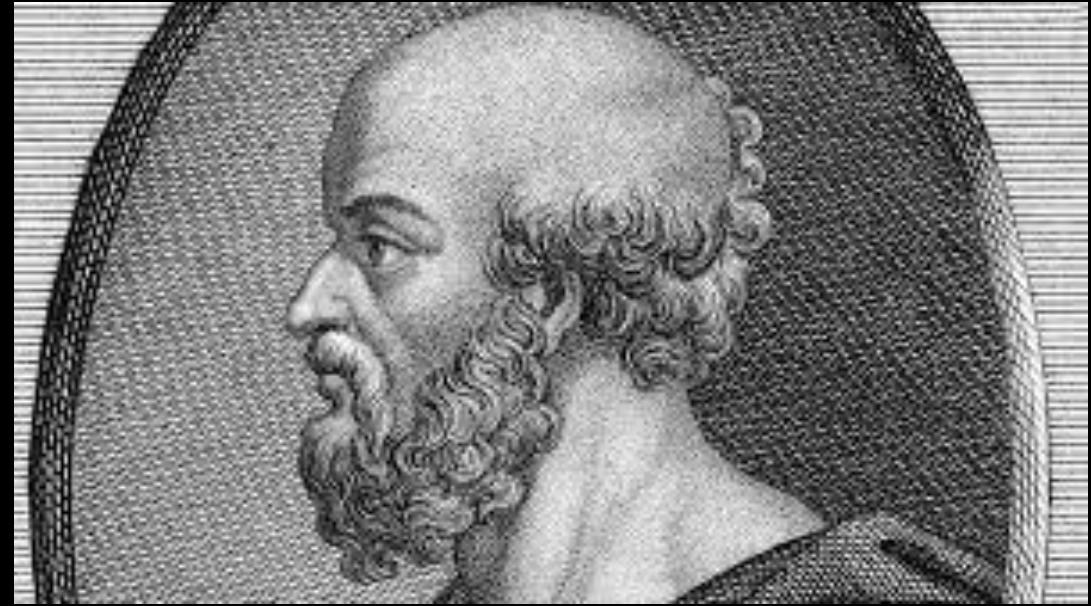
# Aristotle

- 1st scientist to use the scientific methods (father of science)
- Discovered that the Earth was a sphere and thought that the Earth was the center of the universe.



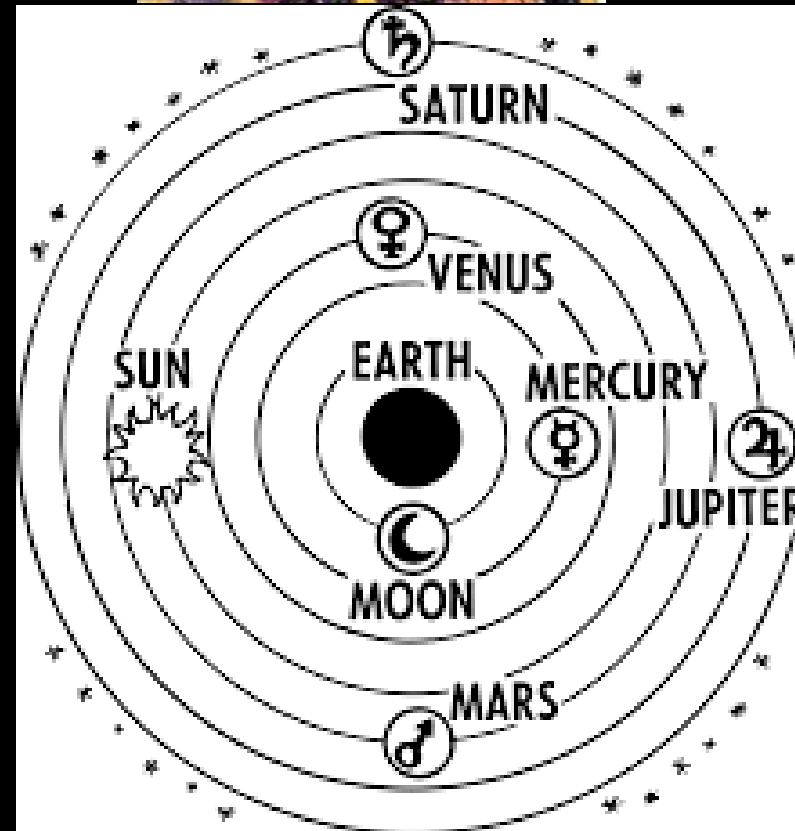
# Eratosthenes

- Accurately measured the circumference of the Earth
- first to use lines of longitude and latitude



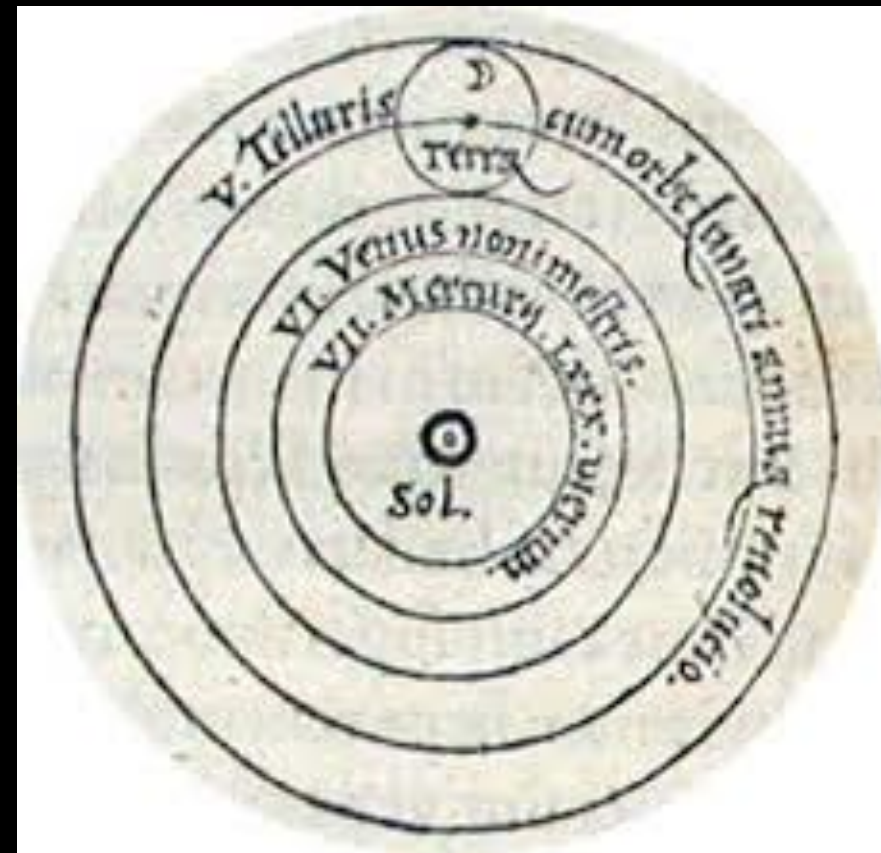
# Ptolemy

- Taught the Geocentric model of the solar system (Earth-centered)
- The Geocentric model stood for the next 1,400 years



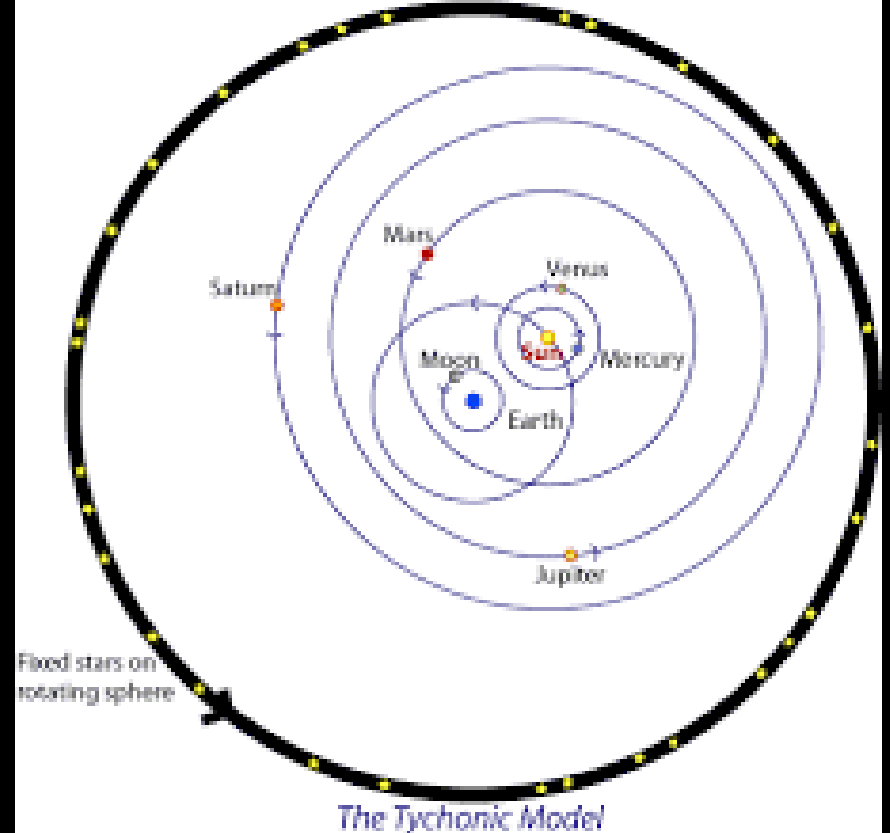
# Nicolaus Copernicus

- First to propose the Heliocentric model of the solar system
- Taught that the Earth and planets orbit the sun in perfect circles.



# Tycho Brahe

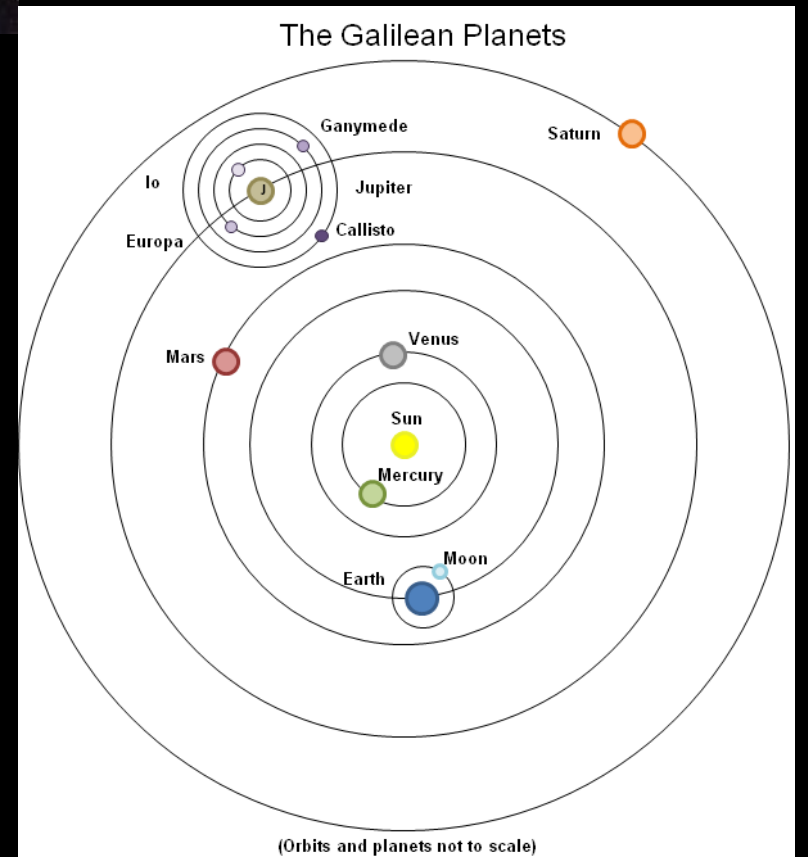
- Charted stars and planets with great accuracy
- Later Astronomers used his data to make their discoveries



# Galileo Galilei

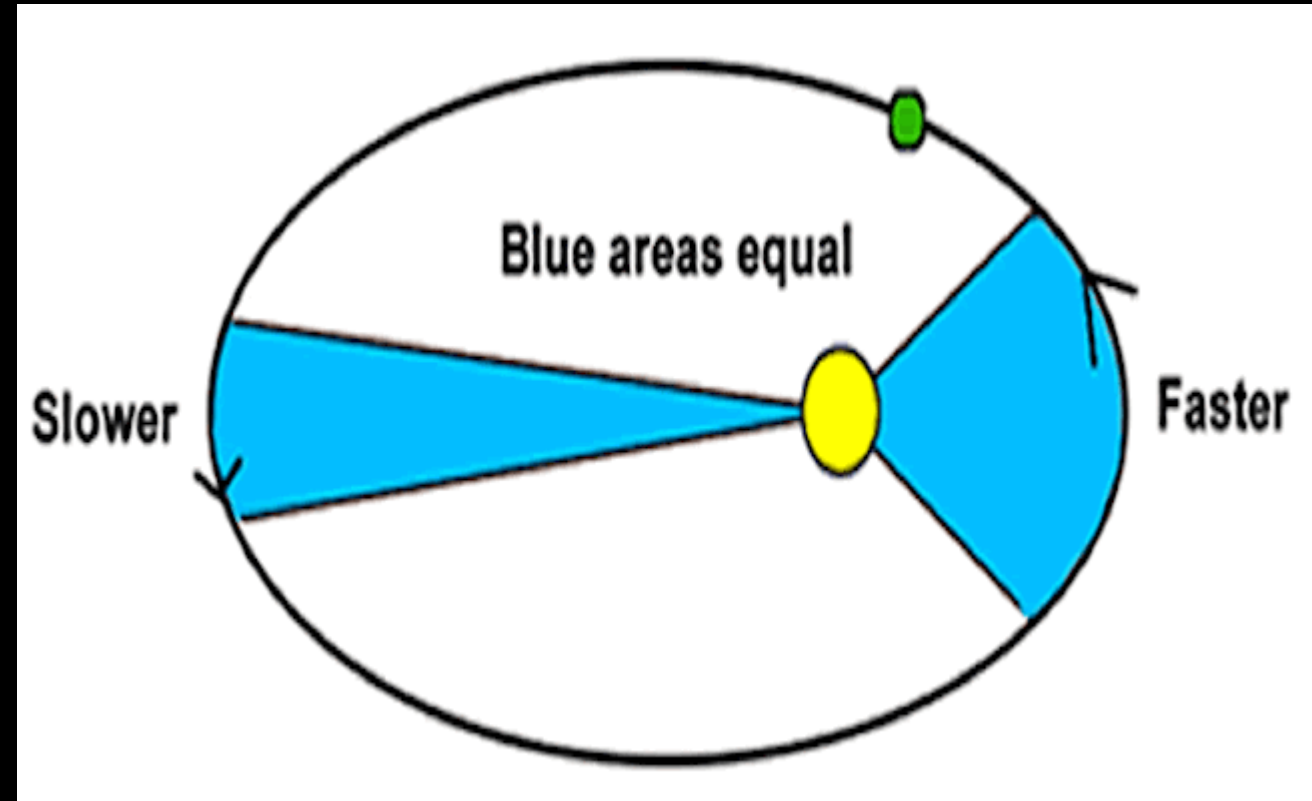


- Gravity: 2 Objects of different weight will fall at the same speed
- Spent the last years of his life in house arrest for teaching the Heliocentric model of the solar system



# Johannes Kepler

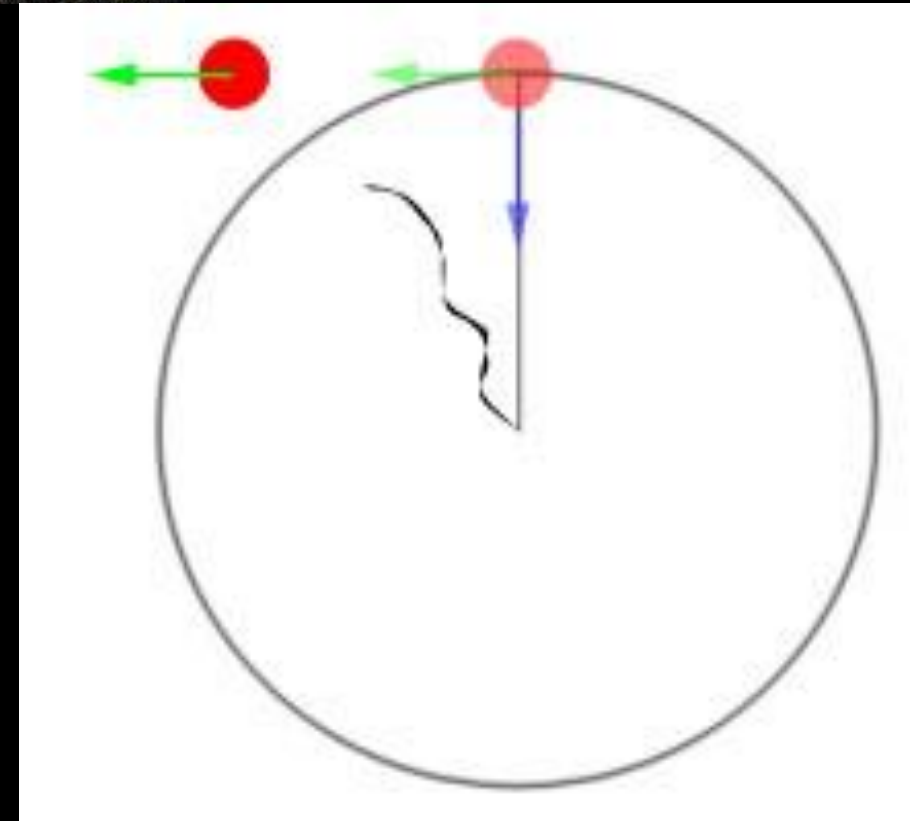
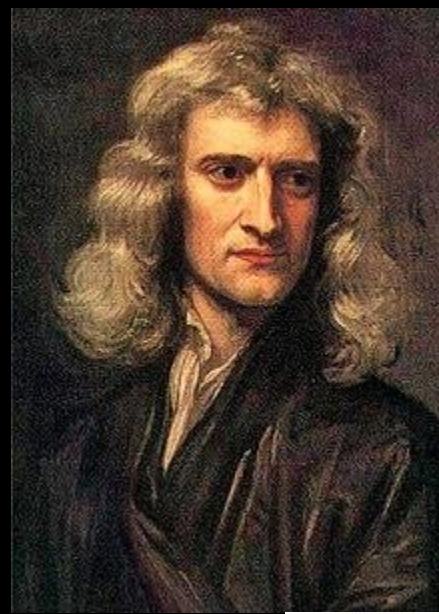
- The shape of the orbit of the planets is an ellipse
- Planets travel fastest when they are closest to the sun





# Isaac Newton

- Invented the reflecting telescope
- An object (planet) travels in a straight line unless acted upon by an outside force (gravity)



# Caroline Herschel

- Made more and more powerful telescopes
- **First female astronomer to discover a comet**



# Maria Mitchell

- First female American astronomer, and first American to discover a comet
- Promoted the idea that girls need to get more involved in science



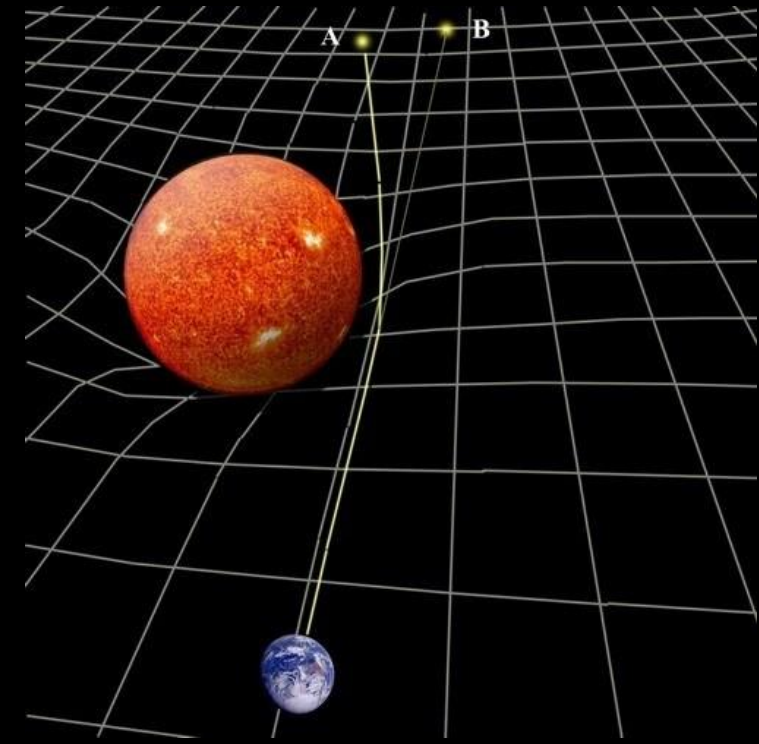
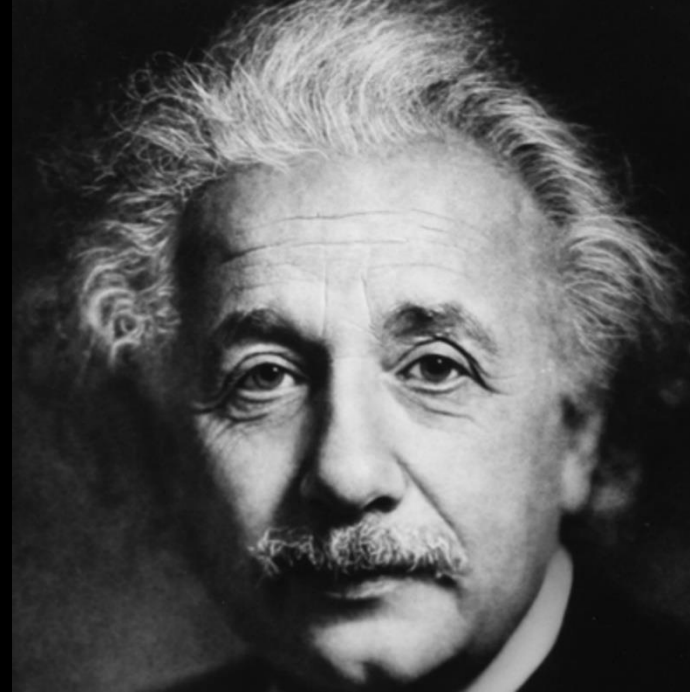
# Henrietta Swan Leavitt

- Very fast at star brightness classification
- Cepheid variable stars help determine the distance of a star from the Earth



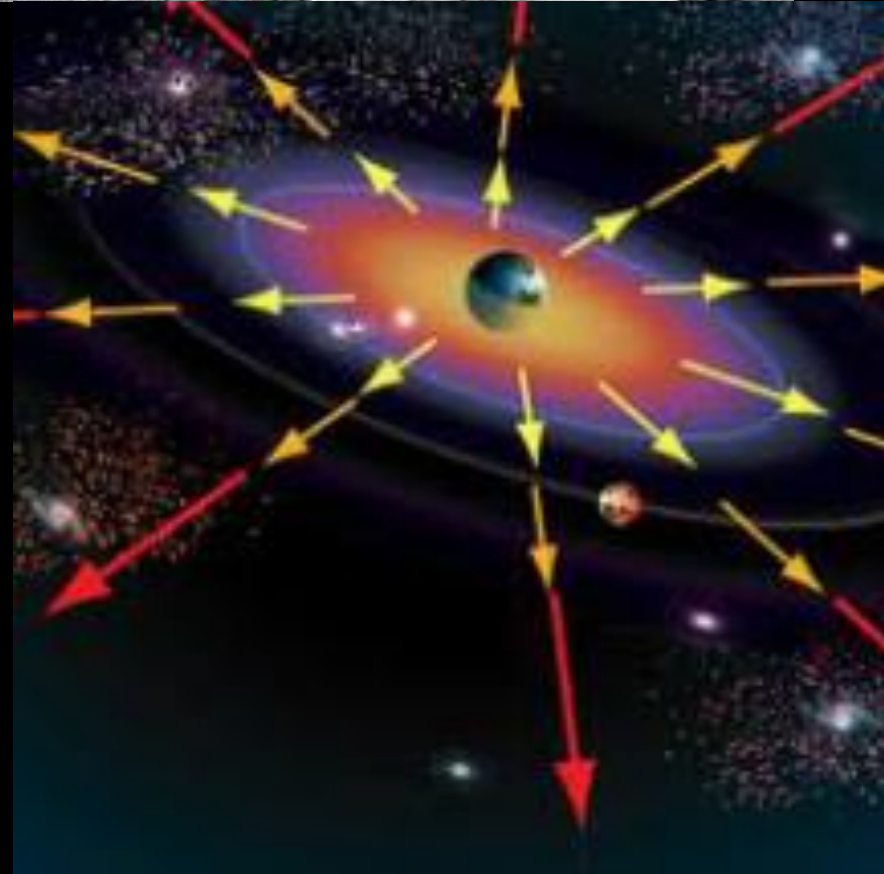
# Albert Einstein

- Light bends when effected by gravity
- Tried to unify all forces of the universe into a single theory



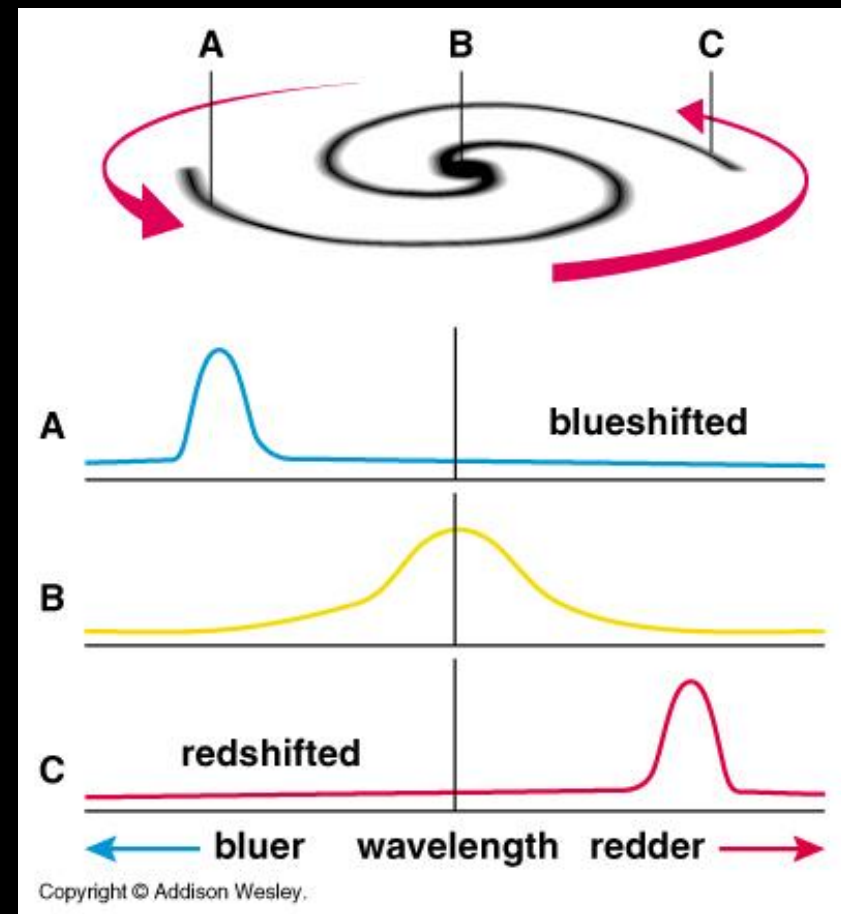
# Edwin Hubble

- Classified galaxies by their shape
- Galaxies are all moving away from Earth, the Big Bang



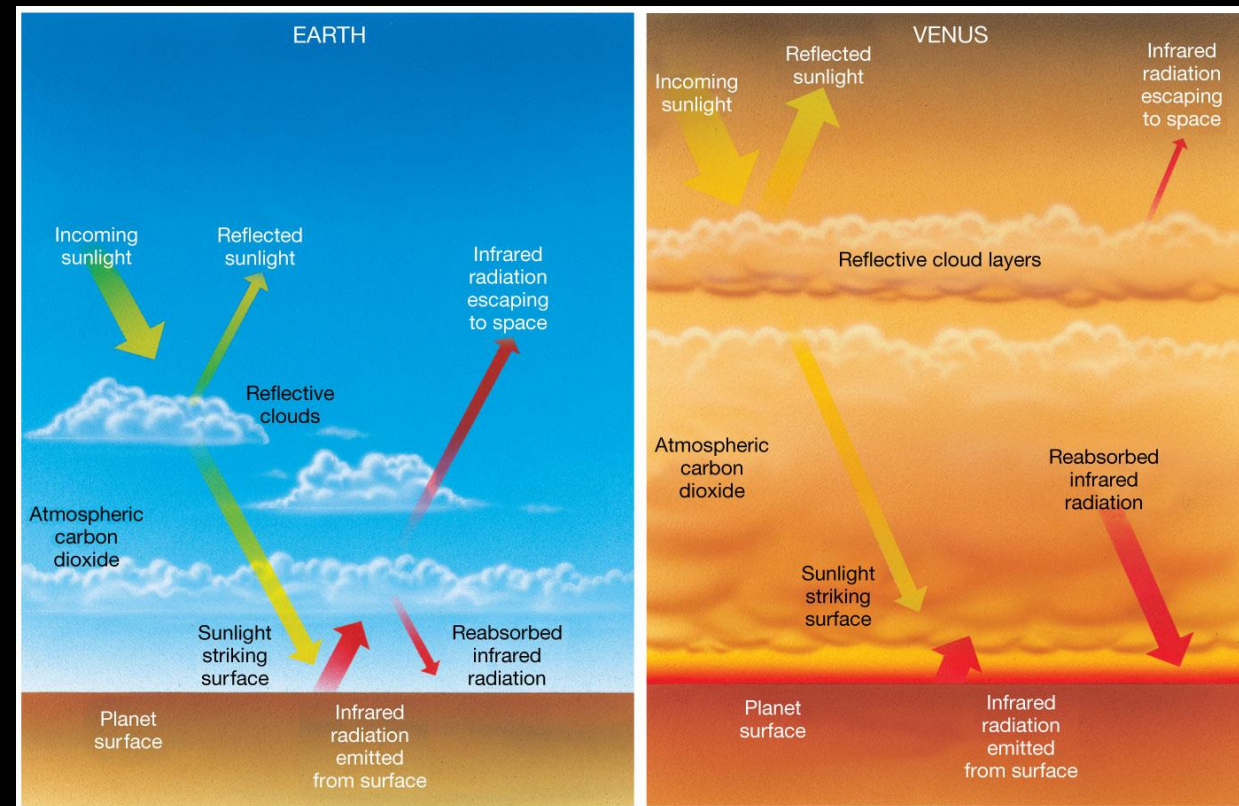
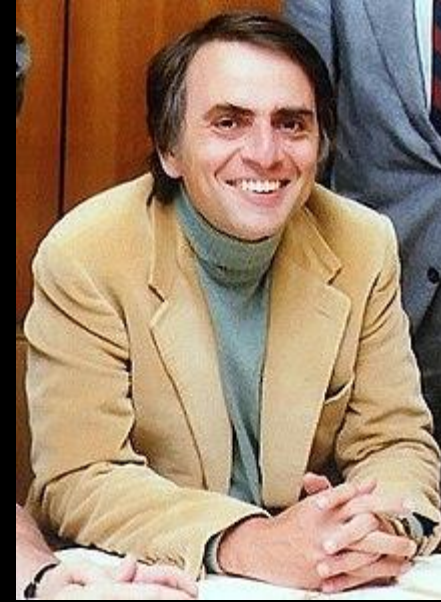
# Vera Rubin

- Stars at the edges of galaxies move faster than they should
- Dark matter is causing the edges of galaxies to speed up



# Carl Sagan

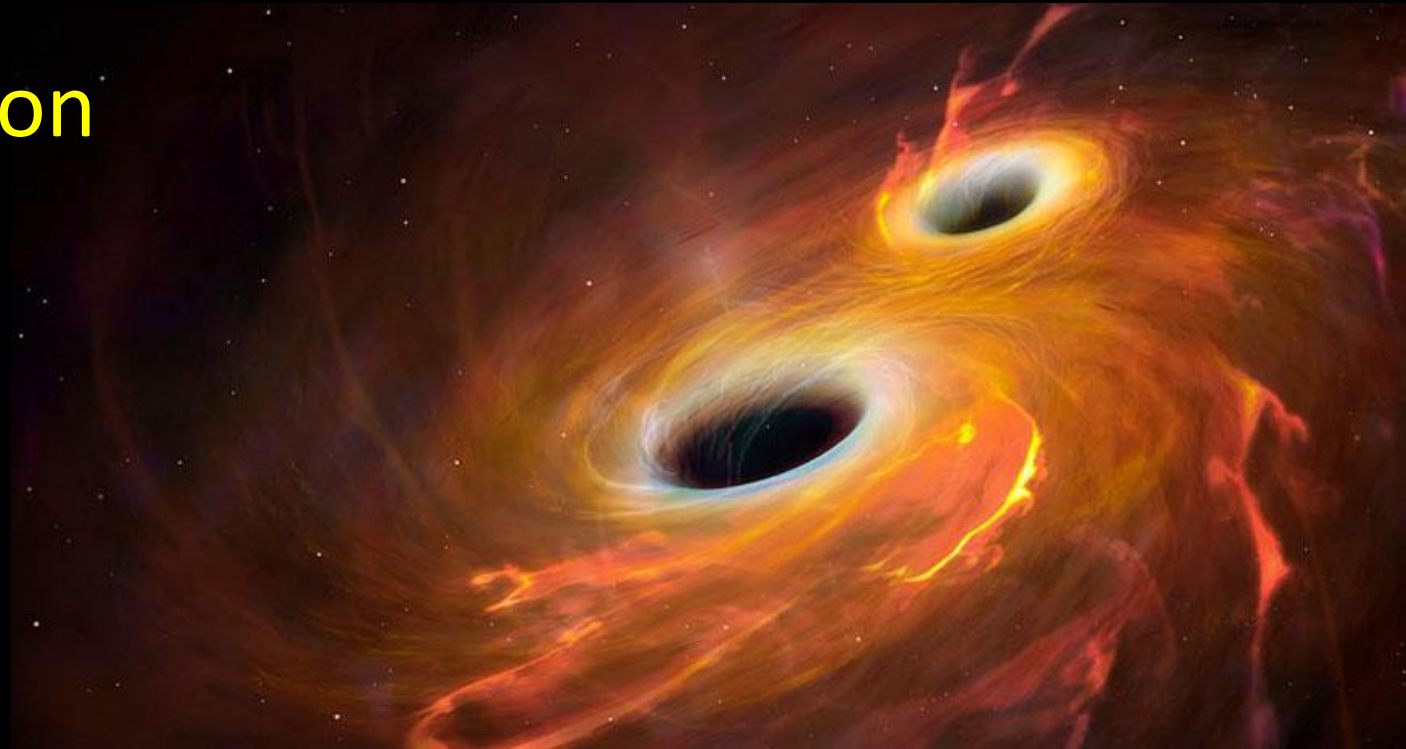
- Discovered that the runaway greenhouse effect explains Venus's high temperature
- Pioneered exobiology in looking for life on other planets





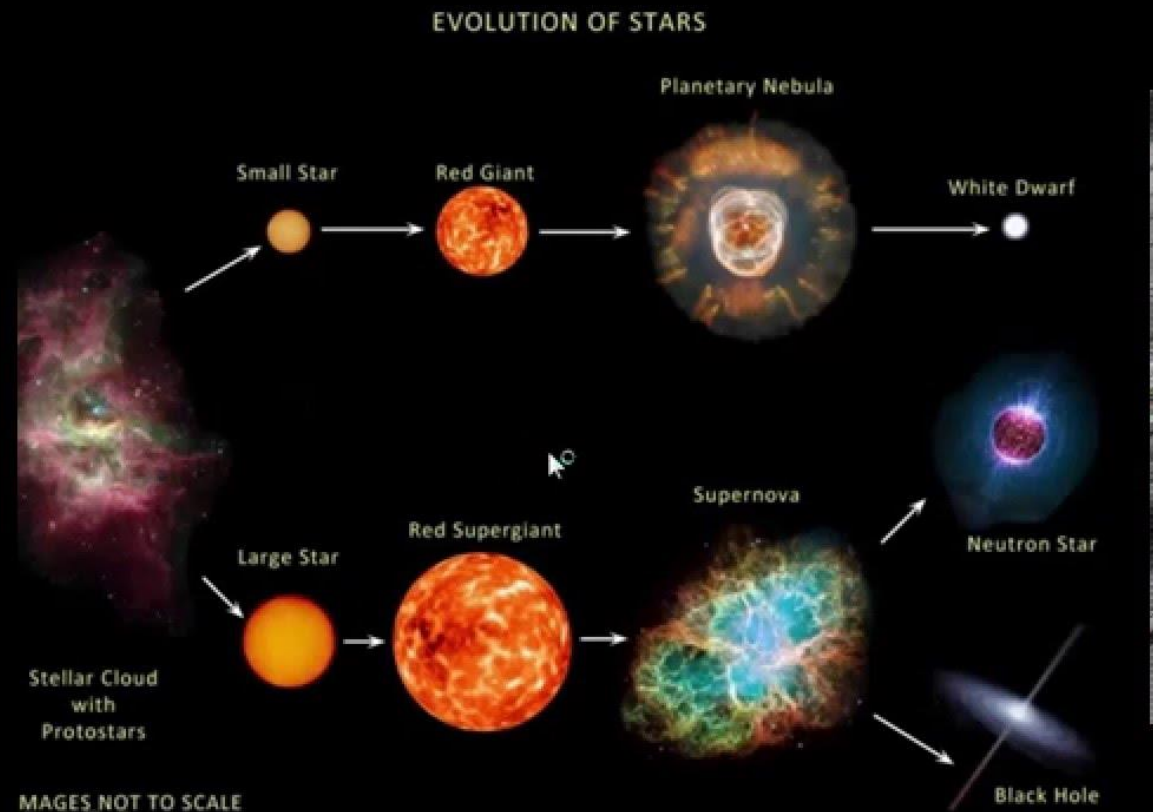
# Stephen Hawking

- Space and time began at the Big Bang and will end in black holes
- **Black holes emit radiation and will evaporate and disappear**



# Neil deGrasse Tyson

- Science communicator and host of TV show **Cosmos**
- Studied stellar evolution, and stellar formation



# Sally Ride

- First American female astronaut
- Youngest American astronaut to go to space



The End



SASQUATCHPARK