

# Looking Back in Time

Name:

Date:

## Measure Distance and Time

**Part 1:** Use the chart below to plot the scientists on your timeline. After you are done plotting them on the timeline, use a rule to measure the distances between the scientists.

Scientist	Year of Birth	Measurement (unit)
Pythagoras	530 BC	
Aristotle	384 BC	
Ptolemy	85	
Abd AlRahman Al Sufi	906	
Nicolas Copernicus	1473	
Galileo Galilei	1564	
Johannes Kepler	1571	
Sir Isaac Newton	1642	
Benjamin Banneker	1731	
Caroline Herschel	1750	
Albert Einstein	1879	
Robert Goddard	1882	
Edwin Hubble	1889	
Subrahmanyan Chandrashekar	1910	
Vera Rubin	1928	
Carolyn Shoemaker	1929	
Jocelyn Bell Burnell	1943	

**Part 2:** Use the chart below to plot the distance in light years stars are from earth. Start this time line to the right with the current year and plot the distances backward. Place the star time line above the scientist time line to see what stars would have been visible to which scientists.

Name of Star or Nebulae	Distance In Light Years
Alpha Centauri	4
Polaris	430
Rigel	900
Orion Nebula	1500