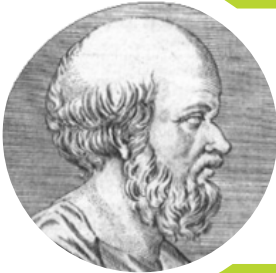


FAMOUS SKY WATCHERS: SCIENTISTS



Eratosthenes (276-195 B.C.)

This Greek mathematician was the first person to accurately measure the circumference of Earth. He determined that Earth was about 25,000 miles around. He was very close! (It's in fact, closer to 24,901 miles.)

Claudius Ptolemaeus / Ptolemy (100-170 A.D.)

This ancient Greek astronomer theorized that Earth was the center of the universe, with the Sun, Moon, planets, and stars revolving around it. Called the Ptolemaic System, this theory was viewed as fact for the next 1,400 years, until Copernicus.

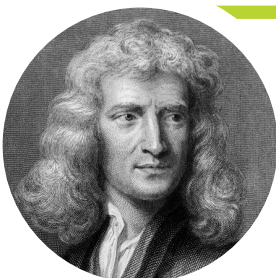
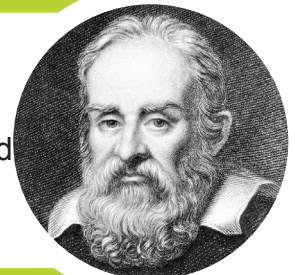


Johannes Kepler (1571–1630)

This German scientist made a breakthrough discovery that the orbits of the planets are elliptical (oval) instead of round. Before Kepler's findings, other astronomers thought orbits of planets were perfect circles.

Galileo Galilei (1564–1642)

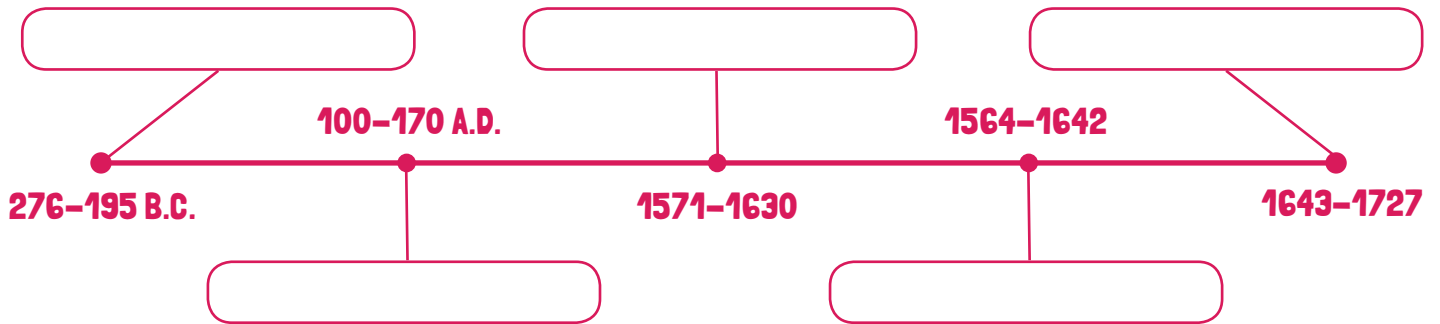
Galileo invented a telescope that magnified things more than other telescopes at the time. With it he discovered four satellites around Jupiter, and looked at Earth's own moon. This helped him prove Copernicus's theory that all the planets orbit the Sun.



Sir Isaac Newton (1643–1727)

This British mathematician and physicist is famous for confirming the principle of gravity. He used his theory of gravity to explain how the Moon is held in orbit around Earth. He theorized that the force (gravity) that caused an apple, or anything that takes up space, to fall to the ground had the same effect on the Moon. But the farther away particles are from each other the weaker that force becomes.

TIME LINE: Fill in names of scientists at correct date.



WORD SEARCH: Hidden in the puzzle below are last names of the scientists. Find and circle them. Tip: ← ↑ → ↓ ✓

J	Q	A	S	Y	P	I	J	T	A
M	O	E	F	U	A	E	G	C	X
S	K	R	H	A	C	L	H	T	C
N	P	A	G	S	G	I	E	R	B
Y	S	T	J	X	N	L	P	K	L
P	T	O	L	E	M	A	E	U	S
B	V	S	W	O	Y	G	U	V	A
A	B	T	U	E	Z	R	S	N	X
D	O	H	A	N	Q	A	H	I	B
N	L	E	S	M	R	D	B	T	Z
H	Z	N	R	C	G	E	M	L	C
K	R	E	L	P	E	K	N	M	R
E	V	S	C	T	Z	H	X	Y	E

- KEPLER
- GALILEI
- PTOLEMAEUS
- NEWTON
- ERATOSTHENES

