THE SCIENTIFIC REVOLUTION: POWERPOINT NOTES

Fill in the blanks from the PowerPoint. In the space to the left, draw a quick sketch of the concept or, fill in the Scientist's speech bubble with his key **Questioning Leads to Doubt** As explorers traveled around the world bringing new _____ and _____ people began to question the old ideas of the ancient scholars. **Advances in Astronomy** The Scientific Revolution begins with the publishing of the book, On the Revolution of the Celestial Spheres, by _____. Copernicus was the first to theorize the heliocentric theory; ernicus Advances in Astronomy Continued was one of the first scientists to record the position of the stars. He emphasized the idea of careful ______. Brahe also made advances in astronomy by mapping the orbits of planets. Kepler stated that planets orbit in an _____advancing on Copernicus' initial theory. Advances in Astronomy Continued Kepler Galileo Galilei was the first person to study the sky using the _____. He discovered the craters and mountains on the moon as well as the moons orbiting He was one of the first scientists to routinely use experiments to test his theories. • Galileo's teachings along with others conflicted with the ______. Galileo was put on trial for ______and forced to take back his theories in fear of being tortured. This clash helped spark more questioning about science and society. Question: If you found out information that contradicted what you had been told by people Galileo or institutions you trust, what would you do?

THE SCIENTIFIC REVOLUTION: POWERPOINT NOTES

Advances in Astronomy Continued
Sir Isaac Newton was an English scientist who wrote the book,
Newton invented
Newton introduced the law ofwhich stated that
Newton also created the laws of which describe how objects move through space.
He stated, "For every there is anand reaction."
New Inventions
During the Scientific Revolution new inventions led to new discoveries and theories.
Galileo invented the, an instrument that measures
Torricelli invented the, an instrument that measures (this helps predict the weather).
Science and Society
As the Scientific Revolution progressed, science became the center of
argued that science should be pursued systematically (step-by-step) to gain more knowledge.
argued that nothing should be accepted as
Descartes claimed that
The Scientific Method
The scientific method is a step-by-step method for conducting research.
1 Asking <i>why</i> ?
2. Collecting
3. Hypothesis:
4 the hypothesis.
5 anddata.
6. Creating on the research and data.