

Universe: Beyond the Big Bang First Half Questions

Name: _____ Period: _____ Date: _____

1. What was the Big Bang? How long ago did it happen?
2. What did ancient people do to connect with the heavens?
3. How is astronomy different from astrology?
4. What was the original perception about the Earth's place in the Universe?
5. What was Aristotle's model of the Universe? Describe it.
6. What are Ptolemy's ideas about epicycles?
7. What was heliocentrism? Why was it so controversial?
8. What did Nicolas Copernicus do?

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9. Who was Johannes Kepler? What did propose?
 10. What was Galileo Galilei's revolutionary invention?
 11. What happened to Galileo when he proposed his ideas to the Church?
 12. How was Isaac Newton instrumental in developing our ideas about how the Universe works? We've studied this already. 😊
 13. What are the planets doing around the sun? In other words, what are planets actually doing when they orbit around the sun?
 14. What keeps all of the planets and solar system objects from flying directly into the Sun?
 15. Explain Albert Einstein's idea about space and time and its relation to the orbit of the planets.
 16. How does light behave as it goes near massive objects? How does this prove Einstein's idea about space and time?
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