

Directions: Circle the correct answer.

1. Leo and Layla visited Galileo in his home country of _____.
 - a. Germany
 - b. Italy
 - c. France

2. Galileo is often called _____.
 - a. The Father of Modern Science
 - b. The Father of Modern Medicine
 - c. The Father of Ancient Science

3. Galileo said that science is both a collection of steps and rules from previous experiments and also _____.
 - a. proof of authenticity
 - b. a series of government-approved procedures
 - c. a never-ending process of questioning and testing

4. Galileo invented the _____, building on findings from other scientists around Europe.
 - a. telescope
 - b. computer
 - c. printing press

5. Galileo's methods and experiments to discover natural truths were sometimes met with resistance and anger from some powerful people because _____.
 - a. they thought he was rebelling against government authority and going against God.
 - b. some believed that he was trying to take over the military.
 - c. they were afraid that he was trying to steal the church's money.

Directions: Answer the following questions in complete sentences.

6. Galileo was able to see further into space than anyone ever had before. He observed things that went against what the church and government scientists were saying at the time. List and describe two things he discovered with his telescope.



7. Discuss why some leaders of Galileo's time may not have wanted everyone to know true information.

8. Do you believe it's always wise to "just trust the science?" Explain your answer.

9. Galileo improved upon other scientists' findings when he invented the telescope. If you were a scientist, what inventions would you like to improve and how? List and/or draw several ideas in the space below.

Galileo | Answer Key

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6. Galileo was able to see further into space than anyone ever had before. He observed things that went against what the church and government scientists were saying at the time. List and describe two things he discovered with his telescope.
Sample answer: The church scientists at that time taught that the moon was flat and smooth, but Galileo saw that was incorrect. He also developed a way to explain and show that the sun is the center of the universe, not the Earth. Some leaders had taught for a very long time that everything in the universe revolved around the Earth, and they did not want to be proven wrong.

7. Discuss why some leaders of Galileo's time may not have wanted everyone to know true information.

Some leaders may have been afraid of losing authority and power. For that reason, they may have wanted people to blindly follow and trust without questioning.

8. Do you believe it's always wise to "just trust the science"? Explain your answer.

Sample answer: I think that knowledge of scientific principles is vital for understanding how the universe works, but scientists' hypotheses, experiments, and results should not be trusted without continual observation, questioning, and testing.

9. Galileo improved upon other scientists' findings when he invented the telescope. If you were a scientist, what inventions would you like to improve and how? List and/or draw several ideas in the space below.

Answers will vary. Accept reasonable responses.