

1

**Answer the questions in your own words.**

1. When and where was Galileo born? **in Pisa in 1564**
2. What did his father want him to study at first? **medicine**
3. What did he prove when he saw the swinging of the chandelier? **longer and shorter swings took the same time**
4. What did Galileo find out about the moon? **the surface was not flat and smooth but rough and full of craters**
5. What did Galileo find out about the solar system? How did he find this out? **the sun was the centre of the solar system; he discovered moons that revolved around Jupiter**
6. Why was the church angry with Galileo? **it was not pleased with what Galileo taught; it still believed that everything revolved around the Earth**
7. How was Galileo punished? he was brought before the Inquisition, **a kind of church court; he was sentenced to life in prison**
8. How did Galileo live in his final years? **he was put under house arrest and published a book**

2

**Explain in English**

inquisition **a Roman Catholic court of the Middle Ages that punished people who did not believe in the church's teachings**

pendulum **a long metal stick hanging down from a clock; it swings from one side to another**

discover **to find something for the first time**

telescope **an instrument with which you can see stars and faraway planets**

surface **the top layer of an object**

condemn **to criticize and strongly say that something is wrong**

revolve **to move around an object in a circle**

solar system **the sun and the planets that move around it**

3

TRUE or FALSE ?

	T	F
Galileo's father wanted his son to study medicine.	✓	
Nicolas Copernicus was the first to discover that a long pendulum swing takes longer than a shorter one.		✓
In 1992 Pope John Paul II made Galileo a saint.		✓
Galileo discovered moons that went around Jupiter.	✓	
Before Galileo's discoveries people thought that the surface of the moon was smooth and flat.	✓	
Heavier objects fall to the ground faster than lighter ones of the same size.		✓
Towards the end of his life Galileo became blind.	✓	

4

Fill in the missing words from the box ?

Galileo was a great (1) **astronomer** and scientist who made many (2) **discoveries** that changed the way we think of our world. His father wanted him to become a doctor, but Galileo was more interested in studying physics and (3) **mathematics**.

He was the first one to see that the length of the swings that a (4) **pendulum** makes is always the same. He also showed that objects of the same (5) **size** fall to Earth at the same speed, no matter how heavy they are.

Galileo constructed (6) **telescopes** with which he could observe the stars and the planets. He discovered that the moon was full of (7) **craters** and didn't have a (8) **smooth** surface like everybody thought. He also proved that the sun was the centre of the (9) **solar system**, not the Earth. Galileo observed objects that (10) **revolved** around Jupiter. Nobody else had seen these moons before.

The Roman Catholic Church however did not like Galileo's theories and discoveries. They put him in front of a (11) **court**, the Inquisition. He was not allowed to (12) **teach** anymore and was put under house arrest in Florence, where he died in 1642.

- astronomer
- court
- craters
- discoveries
- mathematics
- pendulum
- revolved
- size
- smooth
- solar system
- teach
- telescopes

