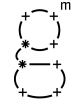




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Galileo and the Celestial Phenomena: Post-Visit



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Galileo and the Celestial Phenomena

Quiz Answers (age 14-18)

1 - Why did the discovery of Jupiter's satellites represent "the most important topic" of the whole *Sidereus Nuncius*?

It showed that even Jupiter possessed satellites that orbited around it, refuting the Aristotelian cosmology according to which all celestial bodies revolved around the Earth

2 - What do the two lenses of the Galilean telescope look like

The objective lens is plano-convex and the ocular lens is plano-concave

3 - After the abjuration, Galileo returns to Florence. Where did he spend the last years of his life?

Villa il Gioiello, now known as Villa Galileo

4 - In *Sidereus Nuncius* Galileo reveals that he has observed with his telescope "four planets never seen from the beginning of the world right up to our day". What are they?

The four medicean satellites

5 - Who first mentions the "aurora borealis" (Northern Lights) in his writings?

Galileo Galilei

6 - How does the Newtonian telescope differ from the Galilean telescope?

The Newtonian uses mirrors

7 - What are sunspots?

Areas with lower temperature than the rest of the solar surface

8 - What is the helioscope?

An optical device that allows direct observation of the Sun