




# A Tour of the Deutsches Optisches Museum

List the three founders of the optical industry in Jena and complete the table!

Name			
Date of birth/death			
Profession			
Special achievement			

The predecessor to all modern visual aids can be traced back to the 13th century.

This device was called a .....

Label the two types of frames!



.....



.....

The temple eyeglass frames commonplace today were invented in the ..... century.

The branch of medical science dealing with the structure, functions and diseases of the eye is called .....

What type of lens is used to correct shortsightedness? Draw the right lens shape and label it!

Modern photography started with the camera obscura. What does the image look like on the viewing screen?  
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Photography was a difficult activity in the 19th century. Why?

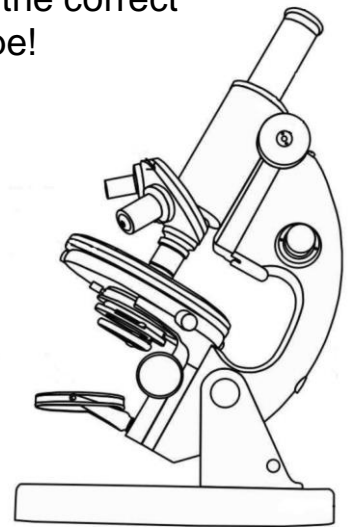
- The cameras were large and heavy.
- Photographers worked with poisonous chemicals.
- An exposure time of several hours was necessary.

The first microscopes appeared at the beginning of the 17th century. It did not take long until natural scientists were using this instrument and discovering many amazing new things. Name two researchers from this period and what each of them discovered!

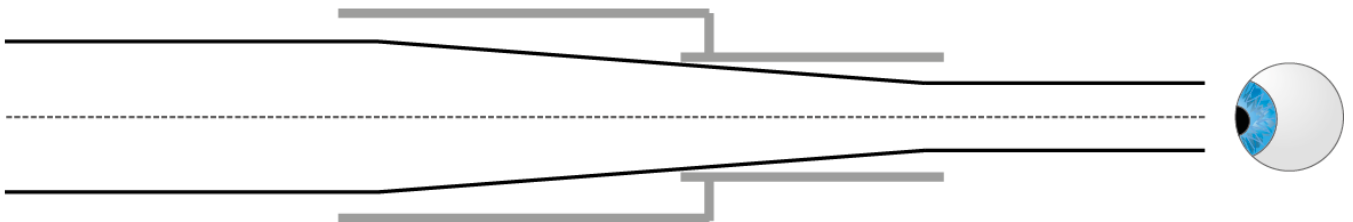
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Match the terms with the correct part on the microscope!

- ..... Eyepiece (ocular)
- ..... Body tube
- ..... Arm
- ..... Nosepiece
- ..... Stage
- ..... Mirror
- ..... Base



Galileo Galilei built a refracting telescope around 1609. Draw the missing lenses and label them!



How does the design differ from Johannes Kepler's refracting telescope?

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Jena has the world's oldest functioning planetarium. What year did it open?  
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