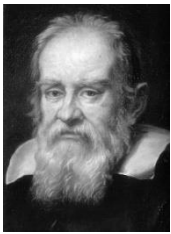


History of the Telescope

The first telescopes appeared at the beginning of the century. The word telescope comes from the Greek and literally means *téle* - "far"; *skopeín* - "seeing."

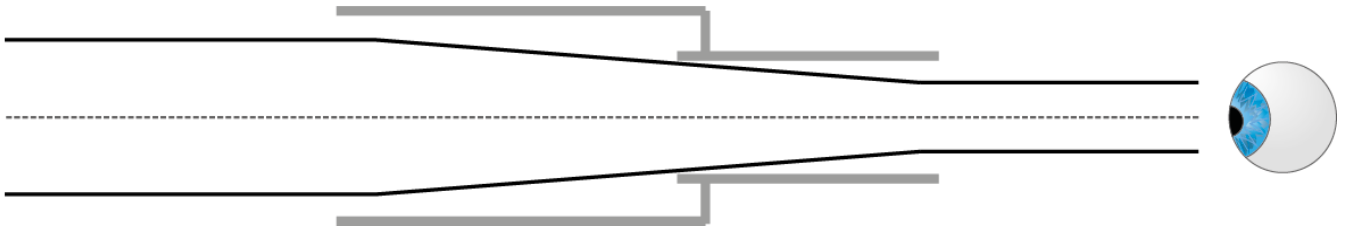
Who was able to put the first telescopes to good use?

- Astronomers
 Sailors
 The military
 Craftsmen



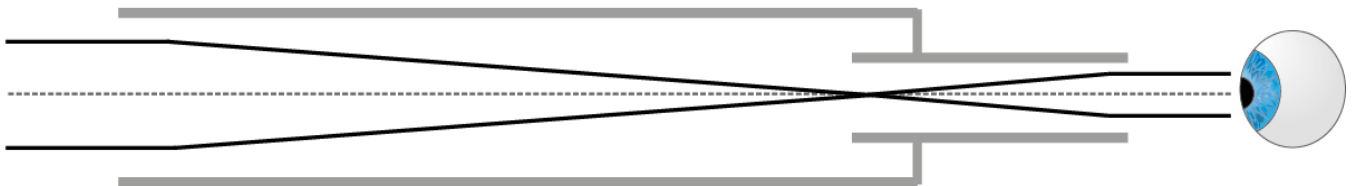
Galileo Galilei built a refracting telescope designed by Hans Lipperhey from the Netherlands in 1609.

Draw the lenses for the "Dutch spy-glass" (Galilean telescope) and label these!



Johannes Kepler modified the telescope and suggested a different design. This instrument is called an astronomical telescope.

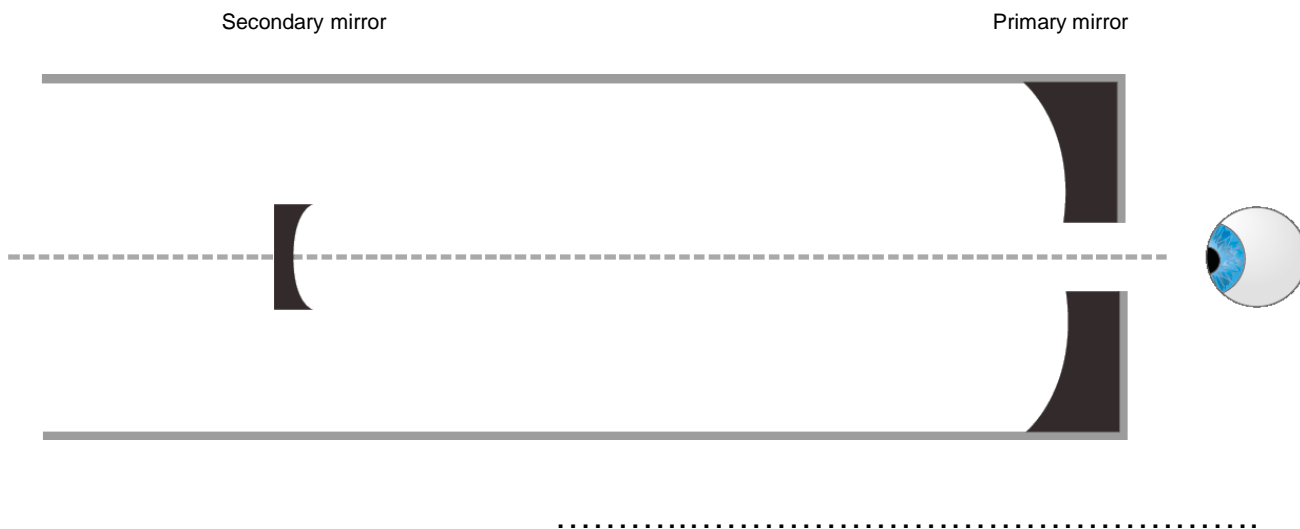
Draw the lenses and describe the different between Keplerian and Galilean telescopes.



The astronomical telescope was transformed into a terrestrial telescope through the introduction of a third lens!

Reflecting telescopes first appeared in the 17th century. In these instruments, mirrors are used instead of lenses.

Draw the light path for the reflective telescope and label the mirror system!



Compare the two types of telescope!

Refracting telescope	Reflecting telescope	
	Size	
	Materials used	
	Optical parts	

Have a look around the telescope exhibit.

Find two more "telescopes" where you can use both eyes at the same time.

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