

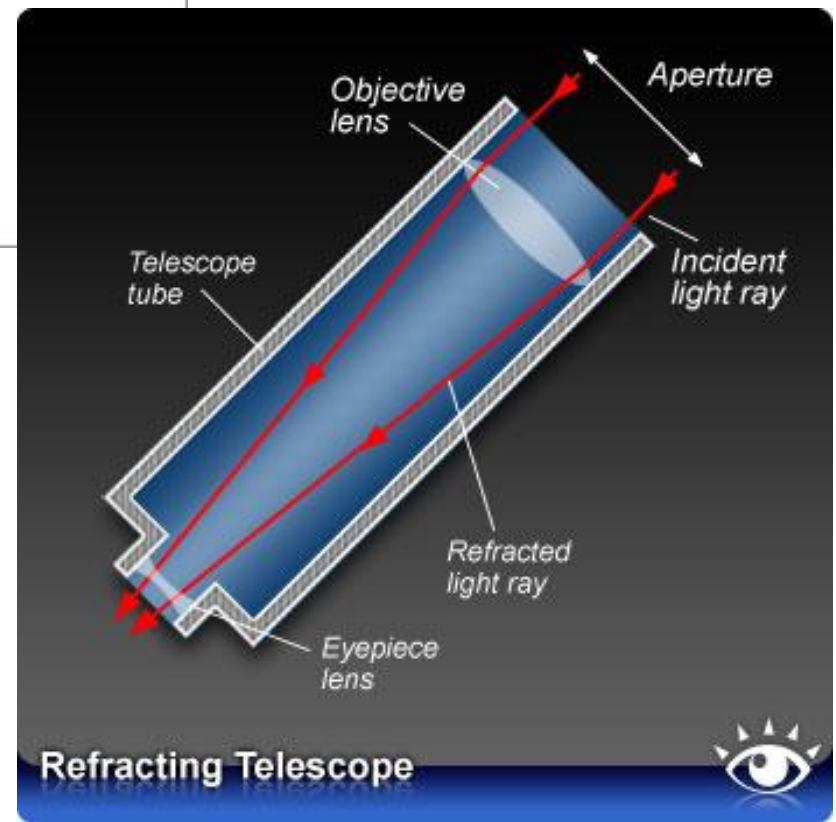
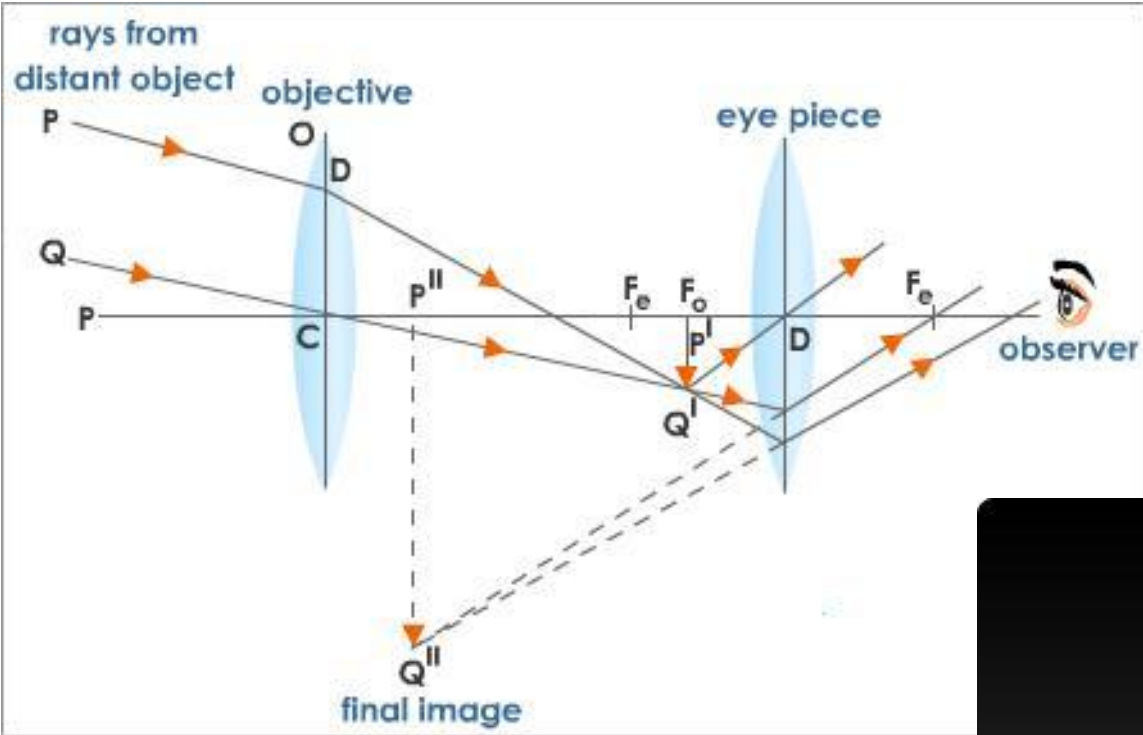
How can we take pictures of the planets and moons in the solar system?

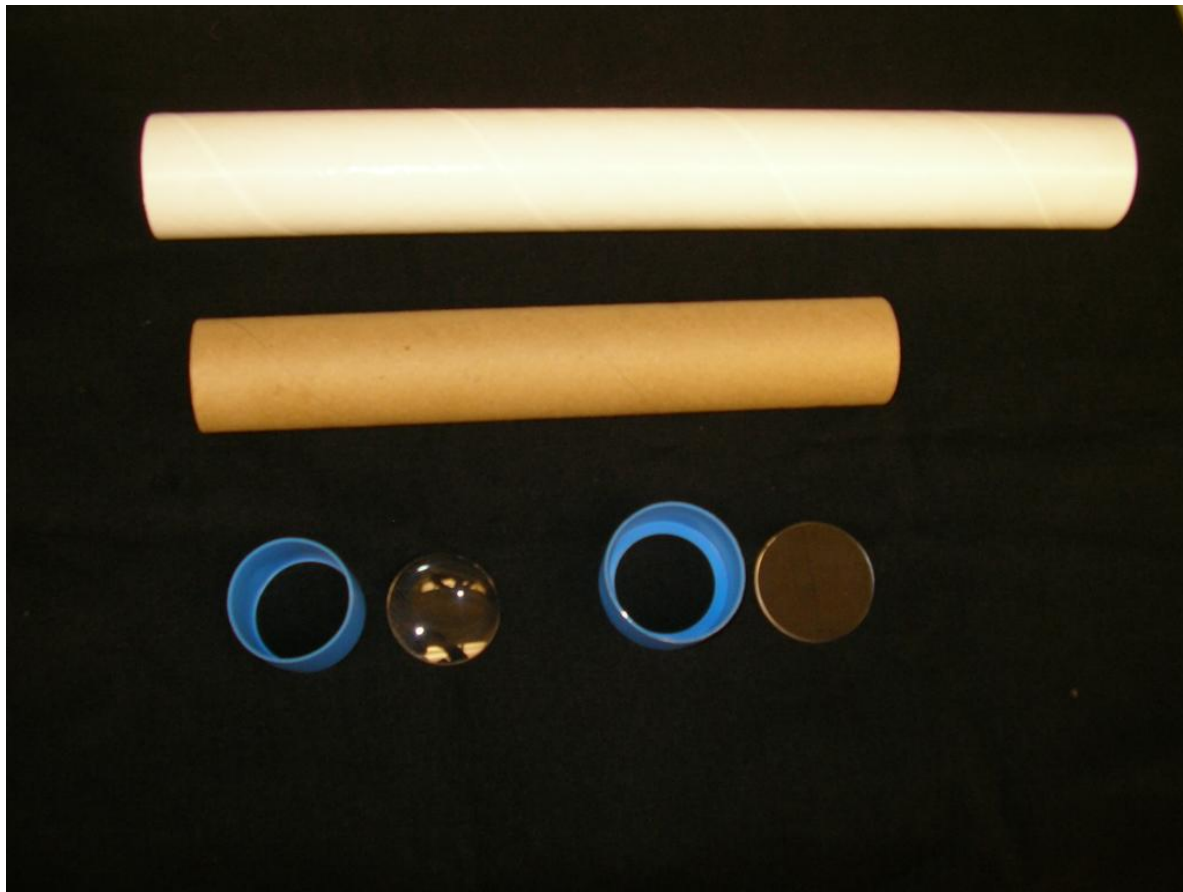


What is a telescope?



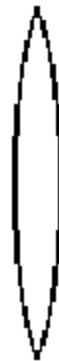
A **telescope** is an instrument that aids in the observation of far objects by collecting light.



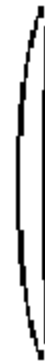


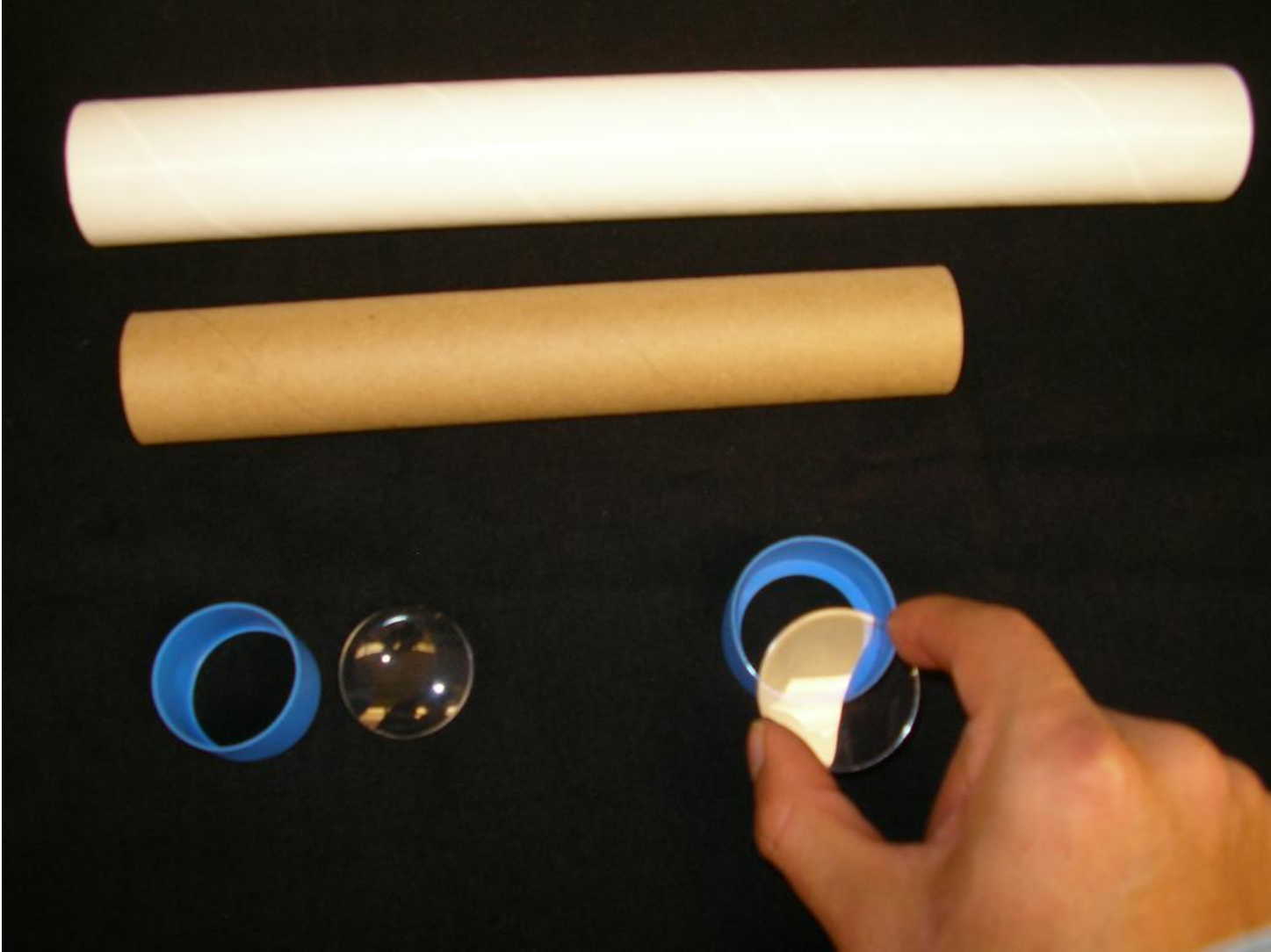
View from
the side

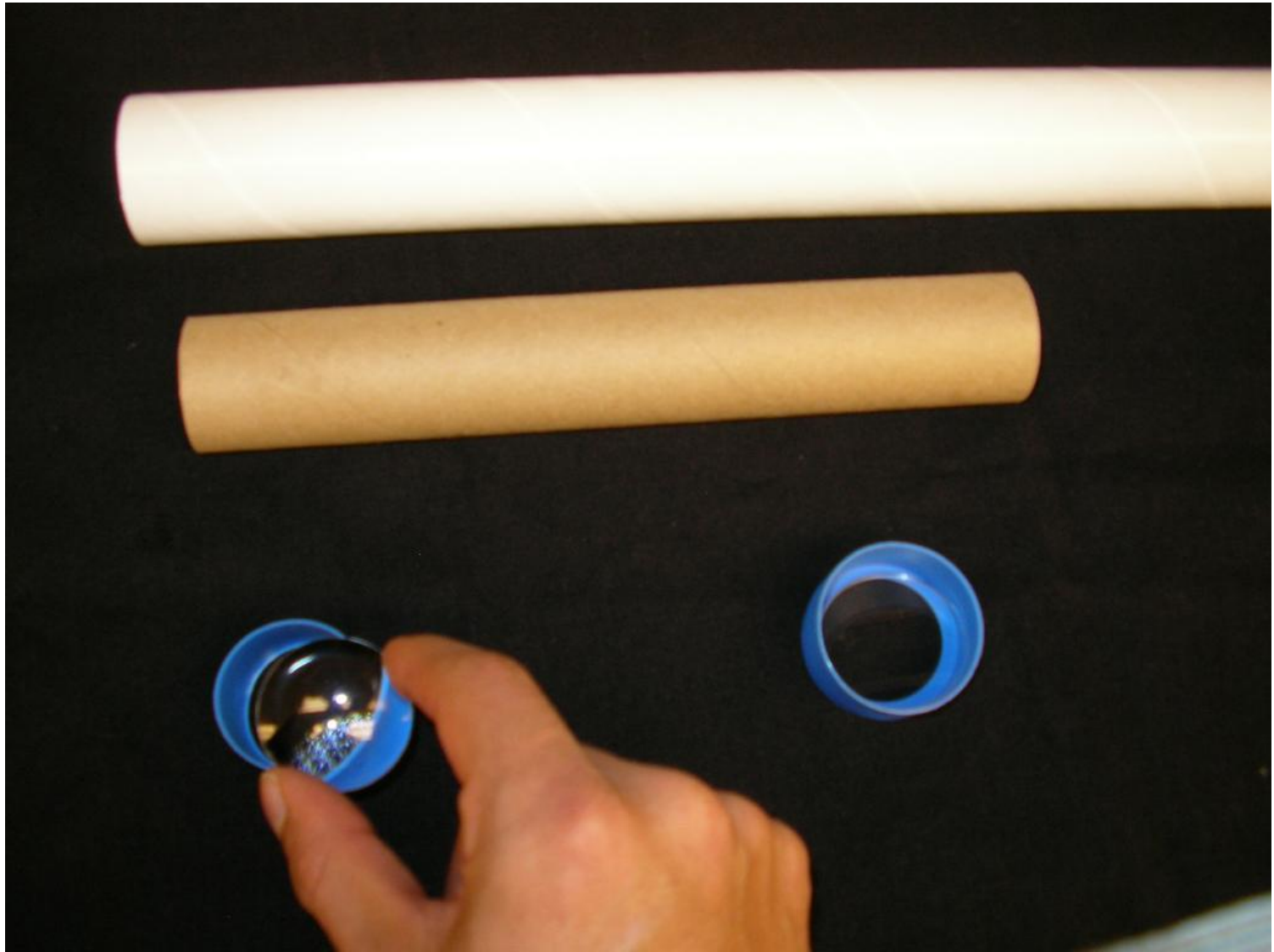
Eyepiece



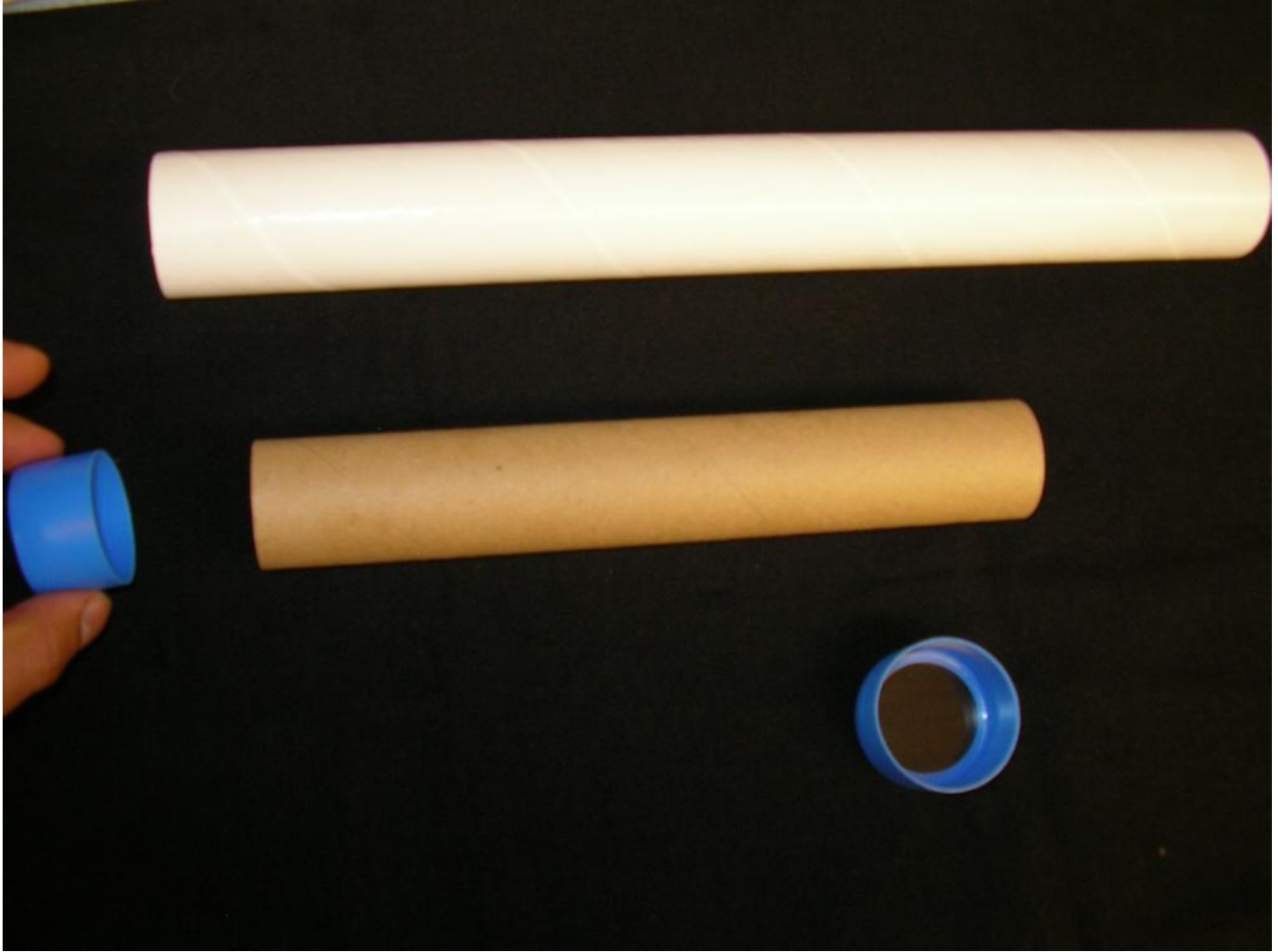
Objective



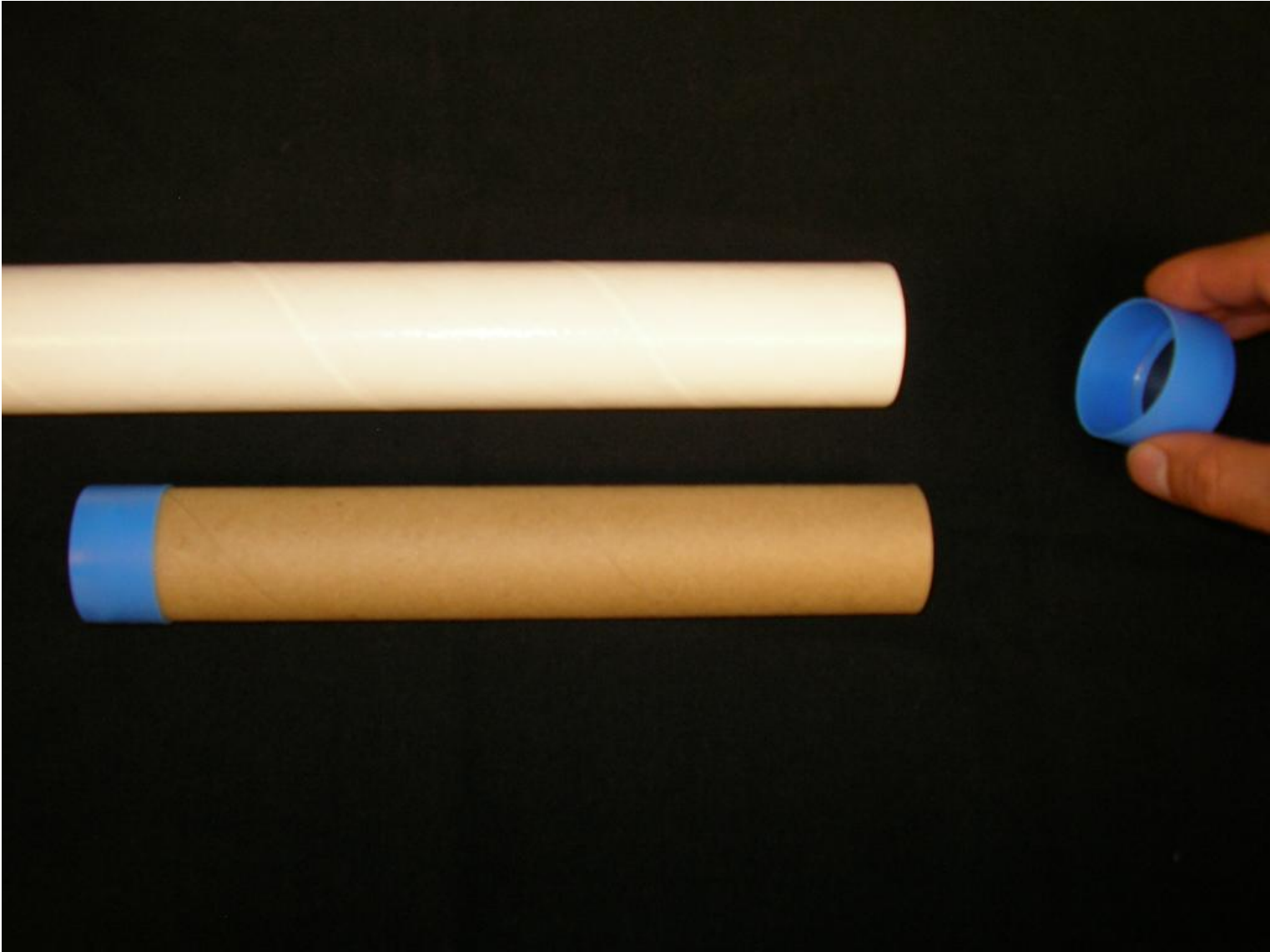
















How do things look through the
telescope?

1. Split the telescope in two.
2. How do things look through the objective alone?
3. Put the telescope together again.
4. What does the eyepiece do?

Things look different through lenses
because lenses bend light.

... and water can also bend light.

The bending of light when it goes from air into any other clear medium is called **refraction.**