

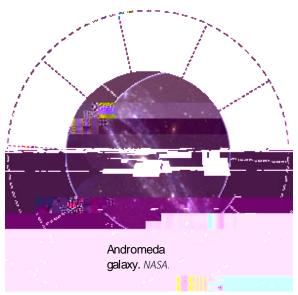


Cut circles along the dotted lines.

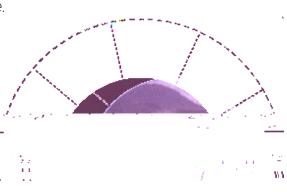


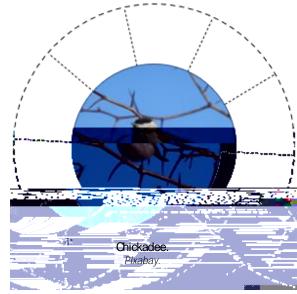
Star cluster.

NASA.



Fold edges over end of the paper towel tube. Tape in place.





Orcas. PickPic.





We are limited in how far we can see with just our eyes alone. As objects get farther away from us, they become smaller and darker. Our eyes cannot see small amounts of light that are far away. Telescope concentrate light and magnify objects so that we can see them at a much farther distance.

Dutch eyeglass maker Hans Lippershey build some of the first telescopes with magnifying lenses on each end of a tube over 400 years ago!

In the early 1600s, Galileo Galilei was one of the first astronomers to use a telescope to study the sky. He improved telescopes to magnify objects up to 30 times. Galileo shared the first detailed drawings of the Moon, discovered that Jupiter had moons, and studied sunspots on the Sun.



Galileo Galilei. Image: Wikimedia Commons.

Today, telescopes use both lenses and mirrors to concentrate light.

Larger and larger mirrors are being used to see farther into the sky.

Our view of the sky from Earu6(He) 5(h(om)6.004()4.003(Earu1(se)9.0.hWe)64

