

Astronomy Telescope Lab

What happens to the following when you change the size of the aperture of the telescope?

4 inch

LGP	
Resolution	
Magnification	
Field of View	

6 inch

LGP	
Resolution	
Magnification	
Field of View	

8 inch

LGP	
Resolution	
Magnification	
Field of View	

Describe what you have to do in each aperture to observe the following?

4 inch

Moon	
Saturn	
Cluster	

6 inch

Moon	
Saturn	
Cluster	

8 inch

Moon	
Saturn	
Cluster	

What happens when you change eyepieces in each size of telescope?

4 inch

LGP	
Resolution	
Magnification	
Field of View	

6 inch

LGP	
Resolution	
Magnification	
Field of View	

8 inch

LGP	
Resolution	
Magnification	
Field of View	

How much focus adjustment do you have to make when viewing each object based on telescope size and size of the eyepiece?

4 inch

Moon	
Saturn	
Cluster	

6 inch

Moon	
Saturn	
Cluster	

8 inch

Moon	
Saturn	
Cluster	

If you were to choose to buy a telescope, which size would you buy based on this lab? Why (List the reasons and describe)?