

\_\_\_\_\_ 9:00 3:00 6:30 \_\_\_\_\_  
name circle section due date

**OPTICS FOR ARTISTS HOMEWORK, UNIT THREE, Part III**  
**APPLICATIONS OF OPTICS**

1. Sketch the optical layout of a reflecting telescope; an astronomical refractor; a Galilean telescope.

2. Sketch a typical slide projector layout, including (in alphabetical, not optical, order) condenser, heat-absorbing glass, light source, reflector for light source, slide, zoom lens,

3. How can you measure the resolving power of an overhead projector?

**SCAVENGER HUNT:** Write down as many items as asked for from things you see in everyday existence.

4. Name three uses for negative lenses.

5. Find four ordinary household items that have concave reflectors.

6. Find three applications of Fresnel lenses.