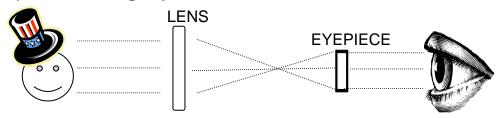
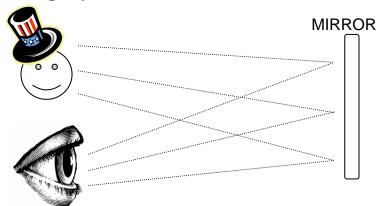
Telescopes!

Trace over the lines showing the light path from the smiley face to the observer's eye. Use a different color for each line.

1) Trace the light path for the refractor.



2) Trace the light path for the mirror.



3) What does the observer see?

Draw an *oval* around the smiley face that the observer sees using the *lens*.

Draw a *rectangle* around the smiley face the observer sees using the *mirror*.

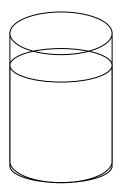








4) Draw a straw inside the glass filled with water.



• •	5) Write the word you see with your eyes. Make sure to use the correct colors and correct order!
• •	6) Write the word you see through the telescope. Make sure to use the correct colors and correct order!
	7) Use these words to fill in the blanks in the paragraph: larger light eyepiece refraction telescopes bent magnifying
	A straw in a glass of water looks like it is because water focuses light. This is called Lenses also focus light. A glass is a type of lens. A magnifying glass works by focusing light from an object so it appears than it is use two lenses, one in front of the other. The first lens gathers from a far-away object and focuses it to a small point. A second lens called the focuses the light from the small point made by the first lens to make a larger image.