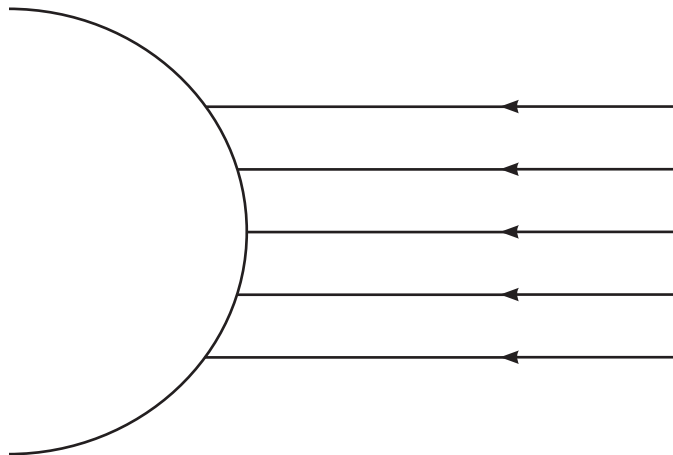
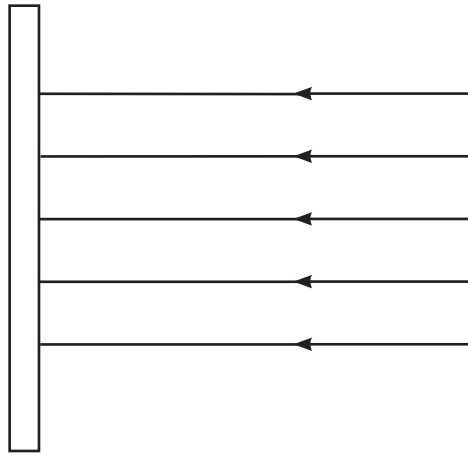
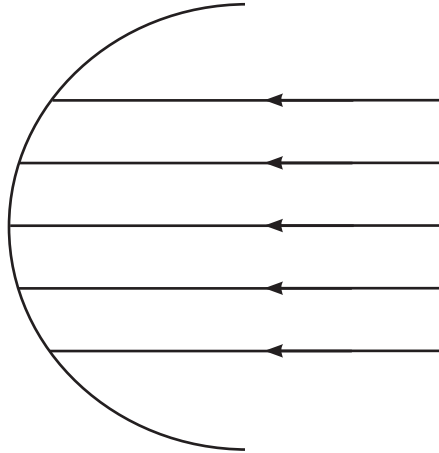


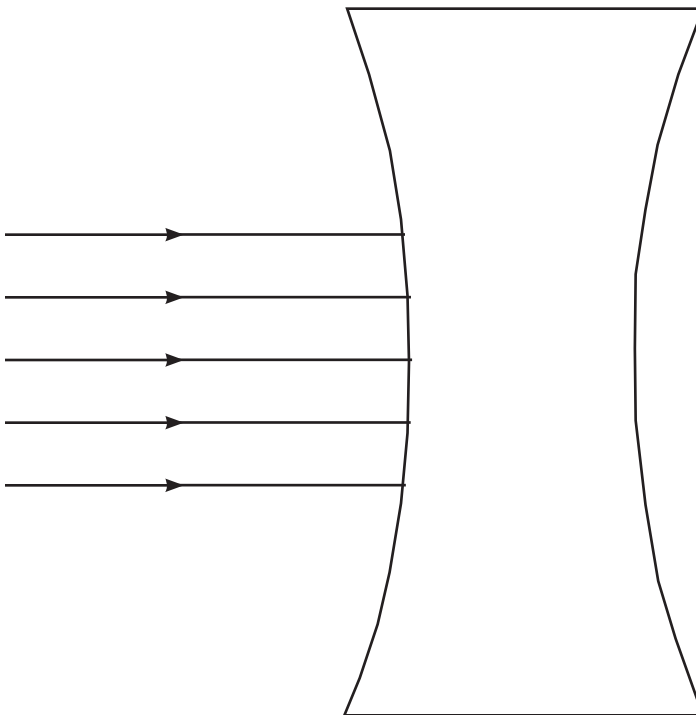
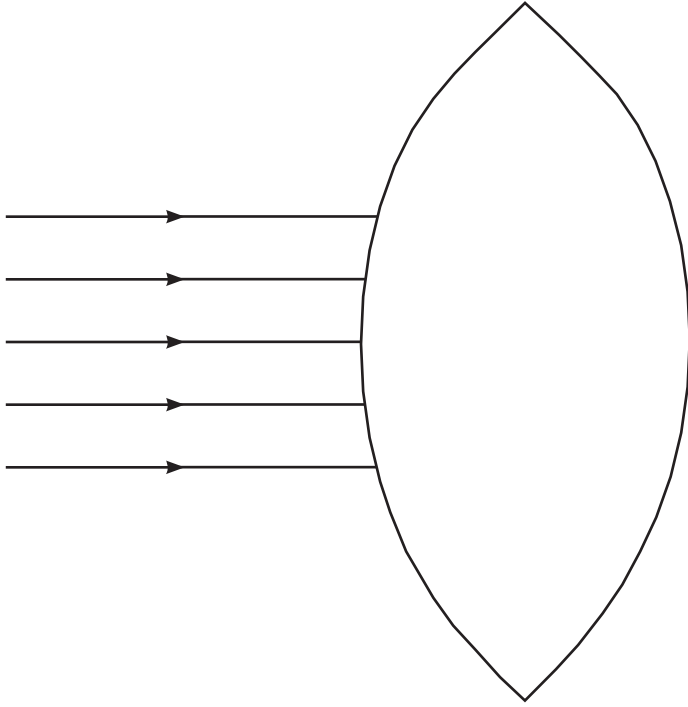
Mirrors

Draw the path of the light that reflects from each mirror. Use a protractor to arrive at the correct angle of reflection.



Lenses

Draw the path of the light waves for each lens.



Comparing the Costs of Light Bulbs

Calculate the cost of using each type of bulb for 1 year, 10 years, and 20 years.

Calculate	Fluorescent Bulb	Incandescent Bulb
Initial cost	\$20.00	\$1.00
How long the bulb lasts	20,000 hours	1,000 hours
Average number of years used	10 years	1 year
Electricity cost per year	\$1.20 per bulb	\$4.80 per bulb

Calculate	Fluorescent Bulb	Incandescent Bulb
1 year		
10 years		
20 years		



Objects that Use Light

Each of the following objects works because of the way it interacts with light. Your teacher will assign your team one or two of the objects. Research when it was invented, how it interacts with light, and what it is used for.

1. Eyeglasses

2. Kaleidoscopes

3. Lenses

4. Microscopes

5. Mirrors

6. Periscopes

7. Telescopes
