

Name: _____

Date: _____

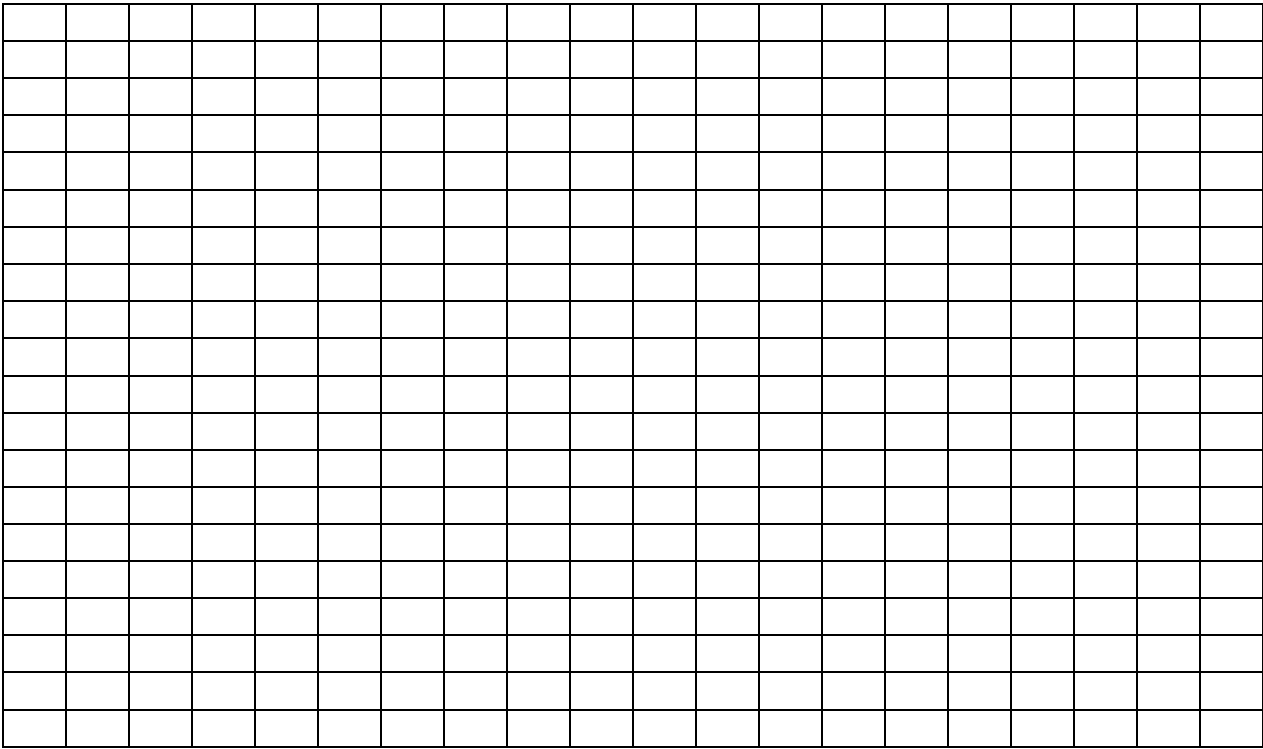
Period: _____

Graphing Light

Graph the following data using the 5 graphing rules established in class. This data shows how light’s intensity changes with the distance from the sun. In other words, this is how the view of the sun might change as you move closer or further from the earth. We can control the distance we make our observations from the sun.

Distance from the Sun (AU)	0.5	1	2	4	8	16
Light Intensity (% Of earth)	400	100	25	6	1.5	0.4

Title: _____



If you were on Mars (1.5 AU) would the sun be brighter or dimmer? _____ By how much? _____

On the back, describe the relationship between distance and light intensity, be as specific (mathematical) as possible