

Name _____ Period _____ Date _____

During the Eclipse – You See the Ring

Year	Lunar Eclipses		Solar Eclipses		Year	Lunar Eclipses		Solar Eclipses	
	Total	Partial	Total	Partial		Total	Partial	Total	Partial
1900					1942				
1901					1943				
1902					1944				
1903					1945				
1904					1946				
1905					1947				
1906					1948				
1907					1949				
1908					1950				
1909					1951				
1910					1952				
1911					1953				
1912					1954				
1913					1955				
1914					1956				
1915					1957				
1916					1958				
1917					1959				
1918					1960				
1919					1961				
1920					1962				
1921					1963				
1922					1964				
1923					1965				
1924					1966				
1925					1967				
1926					1968				
1927					1969				
1928					1970				
1929					1971				
1930					1972				
1931					1973				
1932					1974				
1933					1975				
1934					1976				
1935					1977				
1936					1978				
1937					1979				
1938					1980				
1940					1981				
1941					1982				

Name _____ Period _____

Graphing the Eclipses

1. On your graph, place the years across the bottom (the x axis) and the number of eclipses along the side (the y axis).
2. You will have seven lines on your graph
 - a. Partial Solar Eclipses
 - b. Total Solar Eclipses
 - c. Partial + Total Solar Eclipses
 - d. Partial Lunar Eclipses
 - e. Total Lunar Eclipses
 - f. Partial + Total Lunar Eclipses
 - g. Total Eclipse Events
3. Is there a pattern to the number of Solar Eclipses in a year?

4. Is there a pattern to the number of Lunar Eclipses in a year?

5. Is there a different pattern to the total number of eclipse events?