

## Bookmark File PDF Sunspot Analysis Lab Answer Key

# Sunspot Analysis Lab Answer Key

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## **Sunspot Analysis Lab Answer Key**

3. Label the y-axis "Sunspot Number."  
Use a scale of 0 through 160 in intervals  
of 10. 4. Graph a point for the Sunspot  
Number for each year. 5. Complete your  
graph by drawing lines to connect the  
points. IV. Data A. Diagram - n/a B.  
Observations - n/a C. Data Tables  
Sunspots Year Sunspot Number Year

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Sunspot Number 1967 93.8 1983 66.6

## **Stormy Sunspots - Monadnock Regional High School**

Three page lab. Uses data from 1950-2009 - students plot sunspot number over time. Here is an excerpt:  
Introduction: Photographs of the sun show dark areas on its surface which are

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believed to be due to magnetic storms that take place within the sun. These spots are actually very bright, however they appear darker than the surrounding areas on the Sun because they are cooler.

**Sunspot Analysis Lab (graphing cyclical sun) by Lesson ...**

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To estimate sunspot number, simply count the total number of sunspot groups as well as the total number of individual sunspots in those groups.

## **Sun Lab | NOVA Labs | PBS**

SUNSPOT ANALYSIS Photographs of the sun show dark areas on its surface. These spots are believed to be due to

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solar storms, areas of cooler gases on the surface. The number and pattern of these spots change with time. When the data collected over many years are graphed, a pattern emerges.

**Sunspot Analysis.docx - SUNSPOT ANALYSIS Photographs of ...**  
Sunspots are dark, planet-sized regions



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that appear on the "surface" of the Sun. Sunspots are "dark" because they are colder than the areas around them. A large sunspot might have a temperature of about 4,000 K (about 3,700 C or 6,700 F).

**graphing sunspots lab | Sun | Stars**  
lab 3 - sunspot analysis.pdf. Comments

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(-1) lab 4 - carbon dioxide in the atmosphere.pdf. Comments (-1) lab 5 - earth's circumference.pdf Comments (-1) lab 6 - latitude and longitude.pdf. Comments (-1) lab 7 - constructing a field map.pdf. Comments (-1) lab 8 - constructing a contour map.pdf ...

## **8th Grade Earth Science / Lab Files**

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The sunspot number for an observation is equal to the number of individual sunspots observed plus ten times the number of groups of sunspots observed. The reason for doing this is that viewing conditions are not always ideal, and an average group has about ten sunspots.

## **Sunspot Cycles | Science Project**

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Learn about the past sunspot record. Graph monthly mean Greenwich sunspot numbers from 1749 to 2004. Read the graph and answer questions related to the graphical data. Learn how to download and install the Spectra software program; Perform a Fourier analysis on the monthly mean sunspot record using the Spectra Program.

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## **Sun Spot Analysis - Examples**

I've been working on this lab for the past 3 hours and have answered 5 questions. I can't find the answers to the other 3 answers to the other three questions and I don't get how to figure out the sunspot number, max/min/neither part either. I've asked some people and

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nobody knows who the heck we're supposed to do it.

## **I need help with Sunspot Analysis!!! It's ... - Yahoo Answers**

Solar Dynamics Observatory Laboratory ... as Galileo did of the four moons of Jupiter, our Moon, and sunspots on the Sun. More recently we attached cameras

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to the eyepieces to make photographs.  
... they answer questions about the SDO mission and its data. 2. To begin their research, students view a series of 6 short videos of actual solar ...

## **NASA's Solar Dynamics Observatory Data in the Classroom**

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most have over a decade of experience in their own areas of expertise within book service, and indeed covering all areas of the book industry. Our professional team of representatives and agents provide a complete sales service supported by our in-house marketing and promotions team. Sunspot Analysis Lab Answer Key Page 3/20



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## **Sunspot Analysis Lab Answer Key - modapktown.com**

noticed a pattern in the number of sunspots. About every 11 years, the number of sunspots reaches a high and then decreases again and is known as the solar cycle. During this eleven-year cycle of sunspots, the sunspot number

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increases -solar maximum and  
decreases- solar minimum. In

## **MATH APPLICATION ACTIVITY: SUNSPOTS AND CLIMATE CHANGE**

Sunspot groups are labeled '1', '2', and '3' on each image, along with their corresponding image coordinates.  
Courtesy Big Bear Solar Observatory

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After identifying your sunspot groups, you are asked to measure horizontal lines that run across the image through your sunspot groups.

### **Astronomy Lab: Solar Observing - An Example**

Lab P-2: Sunspot Analysis. 10)

Extrapolate this graph at its present rate

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to determine approximately how many sunspots will occur in the year that you will graduated from high school. (I will graduate in 2014 and the graph is from the UPCO Explorations in earth science book. Please tell me how you would predict the number!) Please help! Thank you!

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## **Can anyone help me with my Earth Science Lab Questions ...**

Sunspot number table, courtesy of the  
National Geophysical Data Center in  
Boulder (USA). Year Number Year  
Number Year Number Year Number Year  
Number Year Number 1700 5

## **Graphing Sunspot Cycles**

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## **Assignment**

Objective: You will practice graph construction and interpretation in this lab. Vocabulary Rate of Change - Cyclic relationship - Give an example: Direct relationship - Inverse relationship - Procedure: Answer questions on the following pages and write your answers on the report sheet below. Be sure to

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label units for all numerical answers.

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