

## ENRICHMENT

## The Sun

**SUNSPOT ACTIVITY**

Use the information about sunspot activity to answer the questions.

Year	Number of observed sunspots	Year	Number of observed sunspots
1728	135	1766	20
1732	7	1770	130
1739	125	1775	5
1743	6	1778	165
1750	90	1784	18
1756	15	1788	140
1761	80	1797	6

- In the list underline in red all the entries that include at least 80 sunspots.
- Which years did you underline in red? These are years of sunspot maximum.  
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- Which years are NOT underlined? These are years of sunspot minimum.  
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- How many years are between 1728 and 1739? 1739 and 1750? 1750 and 1761? 1761 and 1770?  
1770 and 1778? 1778 and 1788? \_\_\_\_\_
- Do sunspot maximums always occur every 11 years? \_\_\_\_\_  
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- How many years are between 1732 and 1743? 1743 and 1756? 1756 and 1766? 1766 and 1775?  
1775 and 1784? 1784 and 1797? \_\_\_\_\_  
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- Scientists think the sunspot minimums are also on an 11-year cycle. Do your data support this theory? \_\_\_\_\_  
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- If the last sunspot maximum was in 1990, when will the next two maximums most likely occur?  
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- If the last sunspot minimum occurred in 1986, when might the next minimum occur?  
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