

weather watch - investigation 3 - notebook setup

Investigation

writing at top of page Length of day

132. Reading - Investigation 3 Seasons

Reading seasons

homework

length of day - from your data collection in 's

date	sunrise	sunset	hours of daylight
Dec 2			
Dec 7			
Dec 14			
Dec 21			
Dec 28			
Jan 5			
Jan 12			
Jan 19			

Compare daylight hours before Dec 21 to daylight hour after Dec 21.

Make a graph showing hours of daylight in 's

year 2000 from simulation "Berkeley"

date	sunrise	sunset	hours of daylight
Jan 7:21	5:20		
Feb 6:52	5:49		
Mar 6:10	6:22		
Apr 5:25	6:51		
May 4:59	7:17		
June 4:27	7:39		
July 4:00	7:56		
Aug 3:30	8:09		
Sept 3:06	8:07		
Oct 2:44	8:03		
Nov 2:26	7:59		
Dec 2:11	7:57		

homework

these pages are written out by hand

Vocabulary - Glossary

- seasons
- equator
- longitude
- latitude
- axis
- solstice
- equinox
- length of day
- solar angle

134 Seasons - Investigation 3

Problem - How does the angle of incoming light cause seasons?

Hypothesis - What did you discover from the reading on pg 132

materials - equipment

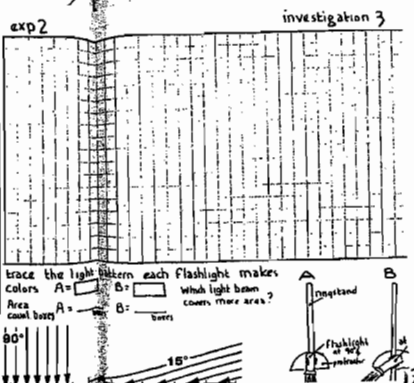
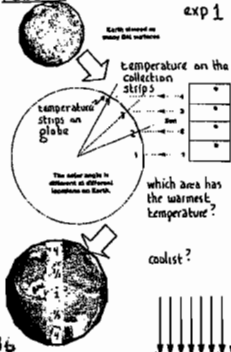
Procedure

- 1- temperature strips on globe
- 2- angle of flashlight

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136 Seasons - Investigation 3

results - data collection



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138 Seasons - Investigation 3

Conclusion - How does the incoming light affect temperature?

What did you discover about the beam of light at 90° compared to the one at 15°?

What causes the seasons?

Variables -

Reading - Glossary
Hour of Day

Please glue all worksheets into your notebook and setup all pages for your upcoming experiments. add the indicated words to your glossary.