

The Magnetic Sun

Student Pages

• Name _____
• Date _____ Class _____

Using your magnetometer, investigate the seven models of the Sun for areas of strong magnetic field. Below, and on Student Page 2, there is space to record data that you collect about each image. Find the space with the appropriate number, **note the number of strong magnetic fields you found on each, and describe with words and pictures what each area of strong magnetic field looks like.**

IMAGE #1

IMAGE #2

IMAGE #3

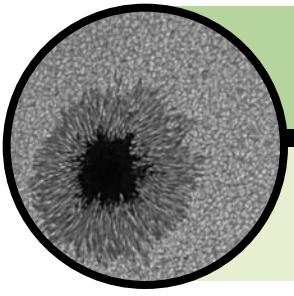
IMAGE #4

IMAGE #5

IMAGE #6

IMAGE #7

Other things I noticed:



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After you have investigated the seven images for areas of strong magnetic field, answer the questions below:

1. You have just used your magnetometer to explore magnetic fields. How did the magnetometer react when it detected a strong magnetic field?

2. From what you know and your experience with the magnetometer, what is a magnetic field?

3. What sorts of areas on the Sun have strong magnetic fields? Do these features always look the same?

4. What other objects are magnetic?

5. How is your understanding of magnetism different after doing this activity?