

Name: _____ Date _____

Color Astronomy

Use your filter wheel with the images at the HOU Color Astronomy website to get an idea of why filters are important for astronomy.

<http://www2.math.uic.edu/~mccarron/hou/color/color.html>

1. Choose at least four images with which you were able to see differences when you looked at them with different color filters. Explain what you were able to learn about the object by looking at it with different filters.

Image #	Name	Red Filter	Blue Filter	Green Filter
1				
2				
3				
4				

2. Share these images with someone in your family.
 - a. Explain what filters do with light and how they are used in astronomy.
 - b. Show them the images, using the filters and explain how the filters help you learn about the object.
 - c. Have them answer the questions below.

Family member's signature: _____ Relationship _____

1. Was your student able to explain what a filter does to light and why it is important in the study of astronomy?
2. How did the filter wheel help you understand something new about the images your student showed you?