



# Boy Scout Astronomy Merit Badge Workshop

## Pre-workshop Requirements 5a & 5b

Name: \_\_\_\_\_

Troop #: \_\_\_\_\_

### Requirement 5a:

- List the names of the five most visible planets
- Explain which ones can appear in phases similar to lunar phases and which ones cannot
- Explain why

1. \_\_\_\_\_ Phases (circle one): Yes No  
Why?

2. \_\_\_\_\_ Phases (circle one): Yes No  
Why?

3. \_\_\_\_\_ Phases (circle one): Yes No  
Why?

4. \_\_\_\_\_ Phases (circle one): Yes No  
Why?

5. \_\_\_\_\_ Phases (circle one): Yes No  
Why?

Completion of requirement needs to be submitted to Merit Badge Counselor via email to [cosmicmike@northmuseum.org](mailto:cosmicmike@northmuseum.org) by the *end of the day, Sunday, December 1, 2019*



## Boy Scout Astronomy Merit Badge Workshop

### Pre-workshop Requirements 5a & 5b

Name: \_\_\_\_\_

Troop #: \_\_\_\_\_

**Requirement 5b:**

- Find out when each of the five most visible planets that you identified in requirement 5a will be observable in the evening sky during the next 12 months (April 2019 – March 2020)
- You can use the internet (with your parent's permission), books, and other resources
- Compile this information in the form of a chart or table

	Planet #1	Planet #2	Planet #3	Planet #4	Planet #5
December 2019					
January 2020					
February 2020					
March 2020					
April 2020					
May 2020					
June 2020					
July 2020					
August 2020					
September 2020					
October 2020					
November 2020					

**Please list your source(s):**

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