

*"What Are Astronomers Doing?"*  
*Scavenger Hunt*

All of the following answers contain a letter you need to solve the riddle. Based on each definition, fill in the rest of the missing letters to make the words. Then use the numbered letters to find the answer to the riddle

- |   |  |
|---|--|
| <p><math>\bar{8}</math> - - - - -</p>   | <p>the main mirror in a telescope is called this</p>                           |
| <p><math>\bar{3}</math> - - - - -</p>   | <p>the Low Resolution Spectrometer is named for Mike _____</p>                 |
| <p>- - - <math>\bar{2}</math> -</p>     | <p>type of scheduling the HET uses</p>   |
| <p>- - - - - <math>\bar{7}</math> -</p> | <p>astronomer Rob Hynes grew up in this country</p>                            |
| <p><math>\bar{1}</math> - - - - -</p>   | <p>type of material the 2.1 meter mirror is made of</p>                        |
| <p>- - <math>\bar{6}</math> - -</p>     | <p>the 0.8 meter mirror was made from leftovers of this telescope's mirror</p> |
| <p>- <math>\bar{4}</math> - - - - -</p> | <p>astronomer Gary Hill had to have this removed</p>                           |
| <p>- - <math>\bar{5}</math> - - -</p>   | <p>CoolSpec is often used with this</p>  |
| <p>- <math>\bar{9}</math> - - - - -</p> | <p>material the 2.7 meter mirror is made of</p>                                |

Riddle: What do you get if you divide the circumference of a jack o' lantern by its diameter?

$\bar{1}$   $\bar{2}$   $\bar{3}$   $\bar{4}$   $\bar{5}$   $\bar{6}$   $\bar{7}$      $\bar{8}$   $\bar{9}$

*"What Are Astronomers Doing?"  
Scavenger Hunt Answer Key*

All of the following answers contain a letter you need to solve the riddle. Based on each definition, fill in the rest of the missing letters to make the words. Then use the numbered letters to find the answer to the riddle

P R I M A R Y  
8

the main mirror in a telescope is called this

M A R C A R I O  
3

the Low Resolution Spectrometer is named for Mike \_\_\_\_\_

Q U E U E  
2

type of scheduling the HET uses

E N G L A N D  
7

astronomer Rob Hynes grew up in this country

P Y R E X  
1

type of material the 2.1 meter mirror is made of

S M I T H  
6

the 0.8 meter mirror was made from leftovers of this telescope's mirror

A P P E N D I X  
4

astronomer Gary Hill had to have this removed

R O K C A M  
5

CoolSpec is often used with this

S I L I C A  
9

material the 2.7 meter mirror is made of

Riddle: What do you get if you divide the circumference of a jack o' lantern by its diameter?

P U M P K I N    P I  
1 2 3 4 5 6 7    8 9