Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Phases of the Moon WebQuest Worksheet**

As you observe the Moon over a month, you notice it changes. Sometimes the right side is in sunlight; other times it’s the left. Sometimes you see it at night; sometimes you see it during daytime.

This WebQuest will help you understand why the Moon changes shape throughout the month. You will need to read the information available on the webpages you visit. ***All answers can be found one or more of the websites***. Your task is to read and find the information.

***Task One***

There are eight phases of the Moon. In the top of each square, write the phase and fill in the circle to show the appearance of the Moon at that phase.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

***Task Two***

You have three terms that are used to describe the Moon. Define the following terms:

* Gibbous - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Waxing - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Waning - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Complete the table identifying which phases are waxing and which are waning.

|  |  |
| --- | --- |
| **Phases of the Moon – Waning** | **Phases of the Moon - Waxing** |
|  |  |
|  |  |
|  |  |

***Task Three***

Draw a picture of the Moon phase on the day you were born and on your birthday in 2017.

***Birth Year 2017***

My birthdate - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Task Four***

Complete the table below showing the phase of the Moon each day during March 2017.

**Moon Phases for March 2017**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sunday** | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** | **Saturday** |
|  |  |  | **1** | **2** | **3** | **4** |
|  |  |  |  |  |  |  |
| **5** | **6** | **7** | **8** | **9** | **10** | **11** |
|  |  |  |  |  |  |  |
| **12** | **13** | **14** | **15** | **16** | **17** | **18** |
|  |  |  |  |  |  |  |
| **19** | **20** | **21** | **22** | **23** | **24** | **25** |
|  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **26** | **27** | **28** | **29** | **30** | **31** |  |
|  |  |  |  |  |  |  |

Using the calendar, answer the following questions.

***Questions***

1. Identify the day(s) the Moon’s phase is a waxing crescent.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Identify the day(s) the Moon’s phase is gibbous.

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3. Identify the day the Moon’s phase is full.

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4. Identify the day(s) the Moon’s phase is a waning crescent.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Identify the day the Moon’s phase is new.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_