

**Year 5 Science**  
**Wednesday 15<sup>th</sup> July 2020**

**Lesson 6 - Phases of the Moon**

Why does the moon look different throughout a month?

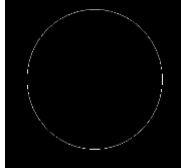
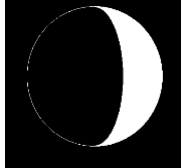
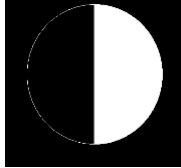
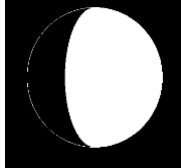
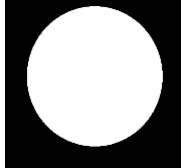
Open the PowerPoint 'Phases of the Moon' and read the information.

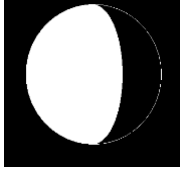
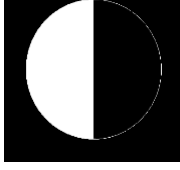

You can also watch this video to learn more:

<https://www.youtube.com/watch?v=f4ZHdzl6ZWg>



The four phases of the moon are: Waning Gibbous. Waxing Crescent. Waning Half Moon. Waning Crescent.

|   |  |
|---|--|
|    | <p><b>New Moon</b> - The Moon's illuminated side is facing away from the Earth.</p> <p>The Moon is not visible (except during a solar eclipse).</p>  |
|    | <p><b>Waxing Crescent</b> - The Moon appears to be partly but less than one-half illuminated by direct sunlight.</p> <p>The fraction of the Moon's disk that is illuminated is increasing.</p>   |
|   | <p><b>First Quarter</b> – One half of the Moon appears to be illuminated by direct sunlight. The fraction of the Moon's disk that is illuminated is increasing.</p>                              |
|  | <p><b>Waxing Gibbous</b> - The Moon appears to be more than one-half but not fully illuminated by direct sunlight.</p> <p>The fraction of the Moon's disk that is illuminated is increasing.</p> |
|  | <p><b>Full Moon</b> - The Moon's illuminated side is facing the Earth.</p> <p>The Moon appears to be completely illuminated by direct sunlight.</p>  |

|  |  |
|--|--|
|   | <p><b>Waning Gibbous</b> - The Moon appears to be more than one-half but not fully illuminated by direct sunlight.</p> <p>The fraction of the Moon's disk that is illuminated is decreasing.</p> |
|   | <p><b>Last Quarter</b> – One half of the Moon appears to be illuminated by direct sunlight.</p> <p>The fraction of the Moon's disk that is illuminated is decreasing.</p>                        |
|  | <p><b>Waning Crescent</b> - The Moon appears to be partly but less than one-half illuminated by direct sunlight.</p> <p>The fraction of the Moon's disk that is illuminated is decreasing.</p>   |

**Activity:**

Complete the Phases of the Moon sheet.

Write an explanation why in some parts of the world it is night time, and in other parts it is day time.

Why not keep a Moon Diary? You can use the template you have been given.

*Extension:* [https://www.ducksters.com/science/phases\\_of\\_the\\_moon.php](https://www.ducksters.com/science/phases_of_the_moon.php)

Complete the quiz!

[https://www.ducksters.com/science/quiz/phases\\_of\\_the\\_moon\\_questions.php](https://www.ducksters.com/science/quiz/phases_of_the_moon_questions.php)