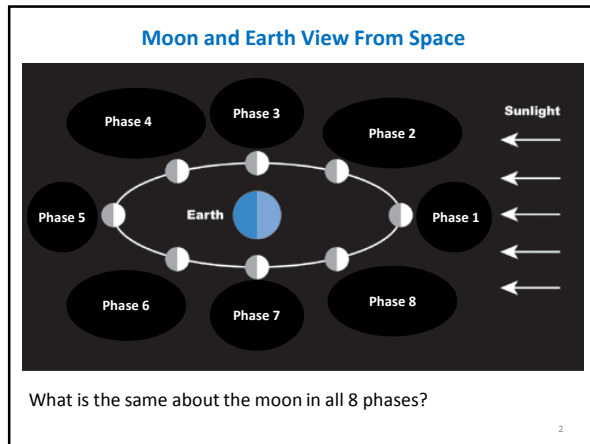


Phases of the Moon

1



2

Moon Light


- The Moon does not produce light
- Moon light is a result of reflecting the Sun's light


3


8 Main Phases of the Moon


- 8 Main Phases of the Moon


Sketch it Out! Draw and number eight circles



1.



2.



3.


4.


5.

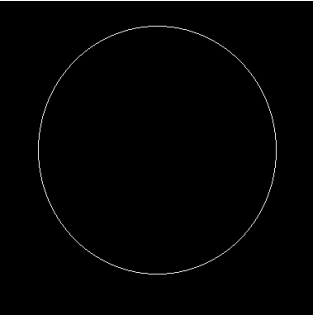

6.


7.



8.

4

1. New Moon



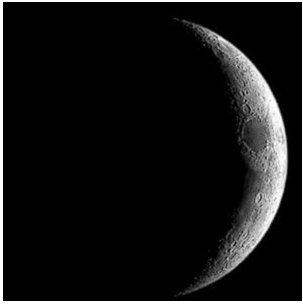
Your Notes




1. New Moon

6

2. Waxing Crescent



Your Notes



2. Waxing Crescent

8

3. First Quarter



Your Notes



3. First Quarter

10

4. Waxing Gibbous



Your Notes



4. Waxing Gibbous

12

5. Full Moon



Your Notes



5. Full Moon

14

6. Waning Gibbous



Your Notes



6. Waning Gibbous

16

7. Third Quarter



Your Notes



7. Third Quarter

18

8. Waning Crescent

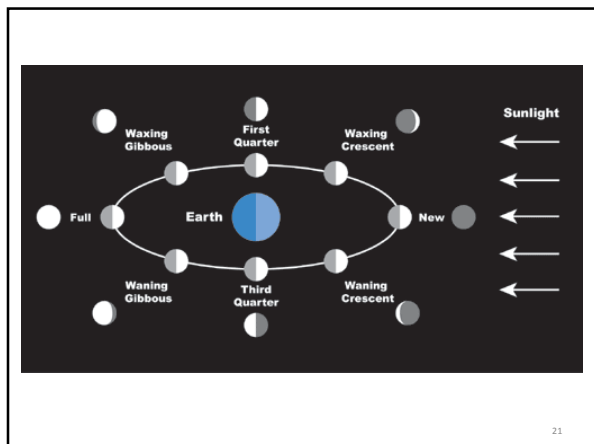


Your Notes



8. Waning Crescent

20



8 Main Phases of the Moon

Helpful Tip!
It's **right to wax** your car. Waxing is when the Moon is white on the right side.

1. New Moon
2. Waxing Crescent
3. First Quarter
4. Waxing Gibbous
5. Full Moon
6. Waning Gibbous
7. Third Quarter
8. Waning Crescent

Lunar Day vs. Lunar Month

- **Lunar Day**, time between Moon rises
– 24 hours and 50 minutes
- **Lunar Month**, time for the Moon to pass through each phase
– Approximately 29.5 days
– 29 days 12 hours 44 minutes and 3 seconds

“Once in a Blue Moon!”

- What does the common saying “Once in a blue moon,” mean?
- Describes something that happens rarely
- Scientifically...
- Refers to the second full moon in the same calendar month.

Lunar Cycle Challenge

- http://sciencenetlinks.com/media/filer/2011/10/14/moon_challenge.html

Today’s Main Idea

- The phases of the moon are caused by the reflected sunlight that we see from Earth.

Homework Questions

2. Explore today's main idea with this question:
Why is the moon not full all of the time?

Vocabulary

- Synchronous Rotation
- Spring Tides
- Neap Tides

Helpful Textbook Pages:
762 – 764 & 401 - 403

Rest of the Class Period

- Finish your lunar and solar eclipse foldable and turn into front clear tray.
- Foldable is due tomorrow!

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