

Name \_\_\_\_\_

Date \_\_\_\_\_

Period \_\_\_\_\_

# \_\_\_\_\_

The Moon (7:58) Hommocks Earth Science Department

<https://www.youtube.com/watch?v=11yIIRU0MRA&list=PL37057D7BFD1608CB&index=88>

Complete the information below based on the Video

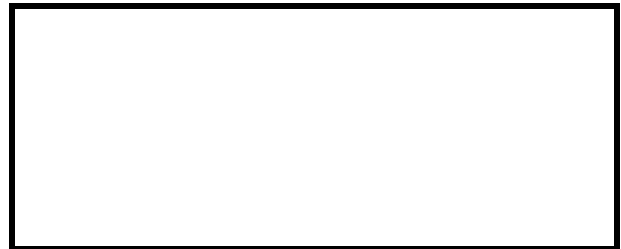
### Moon Formation

- about \_\_\_\_\_ billion yrs ago
- 

### Moon

- (Period of both = 27.3 days)
- 

- (Time for 1 revolution)
- 
- 
- 
- 
- 



Draw diagram with Apogee and Perigee

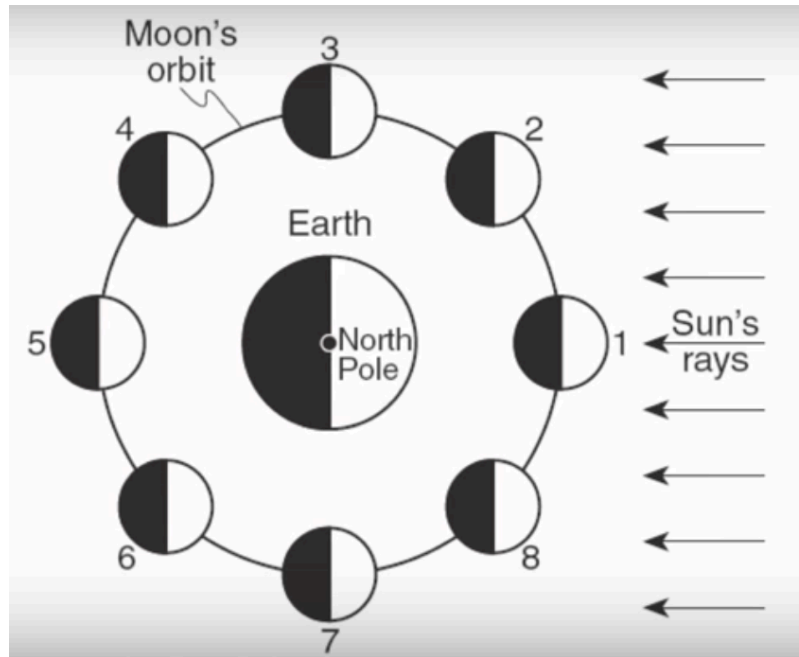
If the Moon rises today @ 7:00 pm, moonrise tomorrow will be at \_\_\_\_\_ pm, and the next night at \_\_\_\_\_ pm, the next night @ \_\_\_\_\_ pm and so on.

### Phases-Cyclic

- 
- 
- (Period for one cycle of phases)

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_
- 4 \_\_\_\_\_
- 5 \_\_\_\_\_
- 6 \_\_\_\_\_
- 7 \_\_\_\_\_
- 8 \_\_\_\_\_

Draw



The moon revolves \_\_\_\_\_ around the Earth.

Between each number on the diagram is about \_\_\_\_\_ days.

Between position 1 and 3 is about \_\_\_\_\_. Position 1 to 7 takes \_\_\_\_\_.

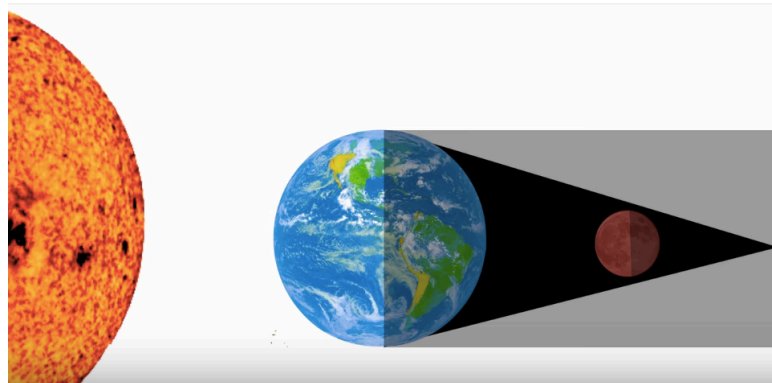
Waxing phases get brighter from \_\_\_\_\_.

## Lunar Eclipse

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The Moon passes into Earth's \_\_\_\_\_

Diagram (not to scale)



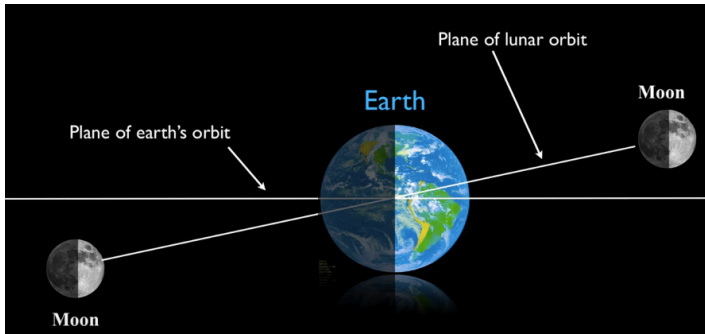
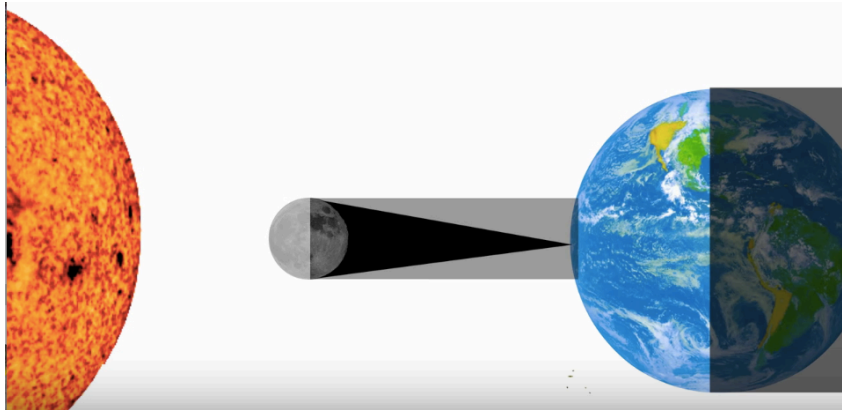
# Solar Eclipse

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- 

Happens during the \_\_\_\_\_

Diagram (not to scale)

The Moon's shadow falls on the \_\_\_\_\_.



The Moon's orbit is \_\_\_\_\_  
 above or below \_\_\_\_\_  
 by \_\_\_\_\_°.

# Tides-Cyclic

- 2 High and Low - \_\_\_\_\_
- High Tide to Low Tide - \_\_\_\_\_
- High Tide to High Tide - \_\_\_\_\_
- Low Tide to Low Tide - \_\_\_\_\_

Tides are caused by the

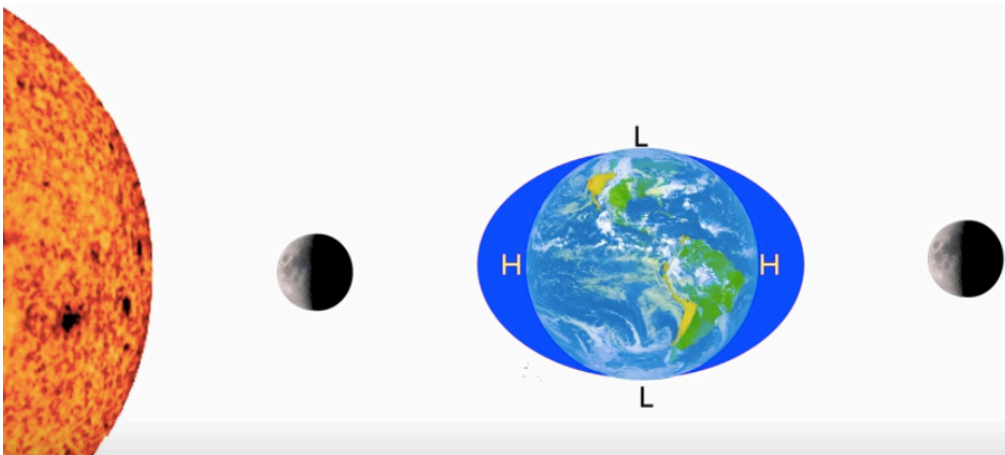
\_\_\_\_\_ pull of the Moon.

## Spring Tide

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- 
- 

During a Spring tide the Earth, Moon, and Sun are \_\_\_\_\_.

Diagram (not to scale)



## Neap Tides

- 
- 
- 

During a Neap tide the Earth, Moon, and Sun are \_\_\_\_\_.

Diagram (not to scale)

