IX.	The Moon a. The moon is a					
	 = Latin word for the moon = Roman Goddess of the moon. 					
	b. PHYSICAL PROPERTIES OF THE MOONi. Size:1. Diameter: miles					
	2. Compared to Earth Diameter of Moon = miles					
Diameter of Earth = miles 3. Scale of size:						
	4. Gravity a the gravity of Earth b					
	5. ATMOSPHERE: ab.					
	 6. TEMPERATURES: a on the lighted side b on the dark side. c. These large temperature extremes exist because 					

c. LUNAR TOPOGRAPHY - Surface features of the moon.



- i. _____: Bowl-shaped depressions formed primarily as a result of the impact of meteors.
 - 1. There are many more craters on the moon than on earth because _____
 - 2. _____: Appear as the "dark areas" on the moon's surface. Once thought to be _____:.
 - 3. _____: appear as "bright streaks" that radiate from certain craters. Consist of shattered debris that was splashed out by the impact of meteors that formed the craters.
 - 4. _____: appear as the "light areas" on moon's surface. Consist of _____: and ____:.

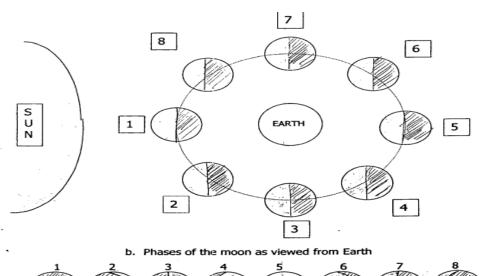
d. THE MOON'S REVOLUTION:

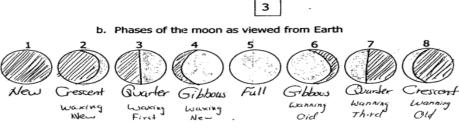
i.	Period	of revo	lution	vs (Cycle	of p	ohases
					J	- 1	

i. Period of revolution vs cycle of phases	
1. PERIOD OF REVOLUTION-	
2 (ECDT Dago)	
a (ESRT Page)	
2. CYCLE OF MOON'S PHASES –	
a	
b	
ii. The moon revolves around Earth in an o	orhit and
	Ji Dit, alia
Earth is at one	
iii. This causes the moon's apparentt	to change
in a manner.	
e. PHASES OF THE MOON:	
i. Caused by	
: Our couth view of	
ii. Our earth view of	

iii.

1. The Moon orbiting Earth as seen from space:





The ____ of the moon's visible, illuminated surface from ___ moon to ___ moon.
 The ___ of the moon's visible illuminated surface, from ___ moon to ___ moon.

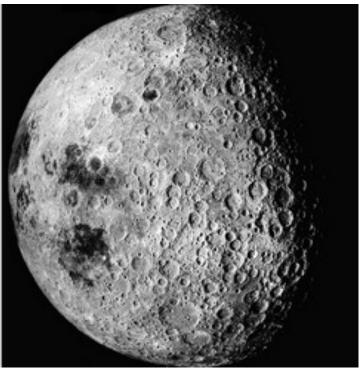
f. THE NEAR AND FAR SIDE OF THE MOON

i. ______ – the bright side of the moon that always faces earth. It is nearly half highlands and half maria.

ii. ______ - the side of the moon that ______ faces Earth. It is mostly highlands and craters.

iii. The same side of the moon (the near side) always faces Earth





NEAR SIDE FAR SIDE

g. ECLIPSES

AS VIEWED FROM EARTH vimef Sun Full Moon Denumbra umbra umbra FROM SPACE S SS S 94705 84705 205 AR TUUUL

ECLIPSES

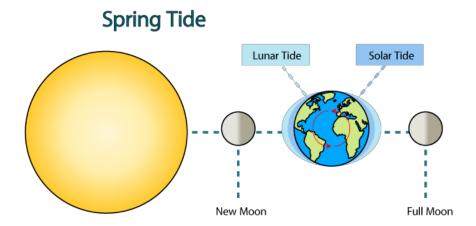
II. TIDES

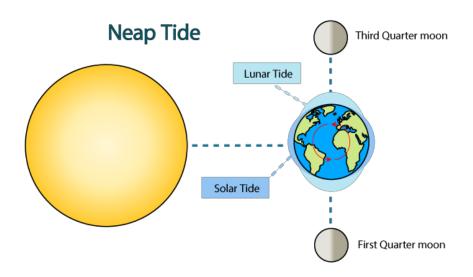
a. Tides are the _____

- i. Caused by the moon's _____
- ii. Affected by Earth's _____.

b. _____: ____tides occur during the and the _____ phases when the _____, ____, and _____ are in line.

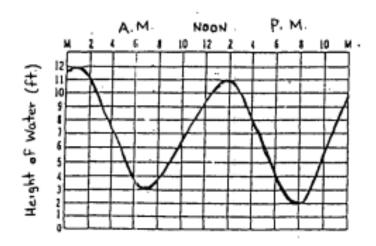
c. _____: ____tides occur during the moon's _____ phases and the moon is ______ in line with the Earth and sun.





d. The period from high tide to high tide is normally about _____

_____ change.



- e. The next high tide will occur at _____
- f. The next low tide will occur at _____

UNIT 9 EXAM TOPICS

UNIVERSE

- -Structure
- -Doppler Effect

STARS

- -ESRT Page 15
- -Nuclear Fusion

PLANETS

- -ESRT Page 15
- -Terrestrial & Jovian
- -Geocentric & Heliocentric

ECCENTRICITY

- -ESRT Page 1
- -Velocity
- -Kinetic Energy
- -Gravitational Force
- -Foci
- -Major Axis

THE MOON

- -Phases
- --Draw
- --Read
- -Time required revolution vs Cycle of
- -Phases
- -Eclipses
- -Solar
- -Lunar
- -Position of celestial objects
- -Rotation and revolution

CELESTIAL SPHERES

- -Draw paths
- -Read paths
- -4 specific dates

ROTATION

- -15 degrees per hour
- -Evidence
- -Foucault Pendulum
- -Coriolis effect
- -Time zones
- -Polar view diagrams
- -Daily patterns

REVOLUTION

- -1 degree per day
- -Evidence
- -Seasons
- -Dates
- -Position
- -Latitude of direct rays
- -Duration of insolation

TIDES

- -Spring and neap
- -Position of moon, sun, earth

-

UNIT 8 EXAM VOCABULARY

Asteroid Impact Crater

Axis of Rotation Jovian Planet

Big Bang Theory Luminosity

Celestial Object Meteor

Comet Milky Way Galaxy

Constellation Moon

Coriolis Effect Nuclear Fusion

Doppler Effect Phases of the Moon

Eccentricity Red Shift

Eclipse Revolution

Ellipse Rotation

Focus Solar System

Foucault pendulum Star

Galaxy Terrestrial Planet

Geocentric Model Tides

Gravitation Time Zones

Heliocentric Model Universe