the moon

PHASES OF THE MOON

- THE PHASE OF THE MOON IS DETERMINED BY

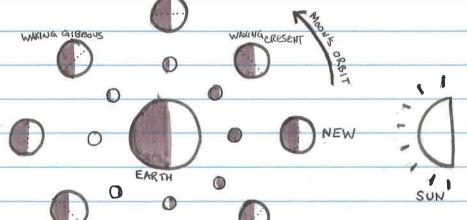
 THE FRACTION OF THE ILLUMINATED PORTION

 OF THE MOONS SURFACE FROM EARTH
- 3 FACTORS → PHASES RESULT FROM THEIR RELATIVE
 POSITIONS

4 THE MOON

4 A VIEWER ON EARTH'S SURFACE

4 THE SUN 10T QUARTER

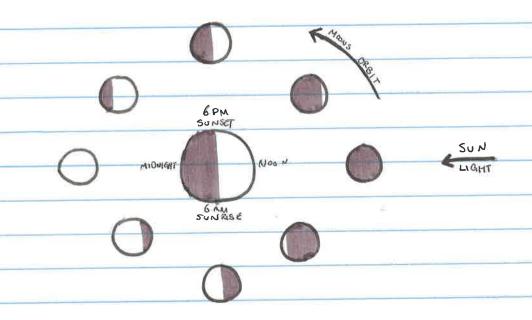


NG ALBBOYS WANING CRESEN

3120 QUARTER

- THE MOON IS ALWAYS 50% ILLUMINATED.
 WE ONLY SEE A PORTION FROM EARTH
- · MOON TAICES 29.5 DAYS TO ORBIT

ONLY SEE CERTAIN PHASES AT CERTAIN TIMES
OF THE DAY



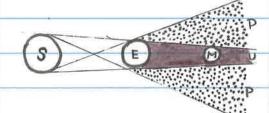
PHASE	RISE	HIGHEST	SETS
NEW MOON	6AM	MOON	6PM
WAXING CRESENT	914	3PM	9PM
1ST QUARTER	NOON	6PM	MIDNIGHT
WARNA ABBOUS	384	941	3AH
FULL MOON	6PM	MIDNIGHT	GAM
HAMING GLEBOUR	9PM	BAM	944
340 QUARTER	MOMENT	6AM	Nooo
WASHING CRESENT	SAM	PAM	3PM
		140	

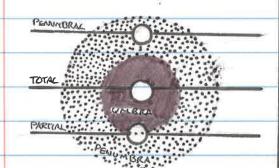
CLIPSES

· ECLIPSES ARE NAMED FOR WHAT IS ECLIPSED

· · LUNAR · · ·

- · Moon is ECLIPSED BY EARTH
- · EARTHS SHADOW HAS 2
- PARTS, UMBRA + PENUNRA
- · 3 TYPES
 - 4 PARTIAL , TOTAL, PENUMBRAL





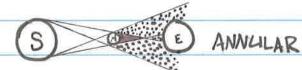
· · SOLAR · · ·

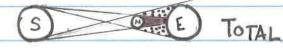
- · MOON ECHPSES THE SUN
- · MOON'S SHADOW HAS TWO

PARTS, UMBRA + PELLUMBRA

- · 3 TYPES

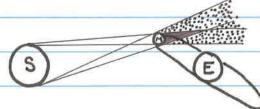
 - 4 PARTIAL CORONA 4 TOTAL
 - 4 ANNHLAR





· WHY DON'T WE GET AN ECLIPSE EVERY
MONTH?

4 TILTY BOI.



- · MOONS ORBIT IS TILTED (PICTURE IS EXAGGERATION)
- · SINCE ITS TILTED WE DON'T GET TOO MANY ECHPSES, MANY ARE NOT VISIBLE IN MY LOCATION
- ECLIPSE LIMIT PER YEAR Ly SOLAR: 2 min, 5 max Ly LUNAR: 2 min, 7 max