Name:		Solar System
Date:	Period:	Earth Science
	Lab Activity: The I	Moon
INTRODUCTION	ON:	
daytime sk	y natural satellite is our Moon. While the Sun is the y, it is the Moon that is the major attraction at nigh change shape and its direction of rising and settir daytime.	t. Throughout the month, the moon
OBJECTIVE:		
	wing activity you will investigate the actual and appoint phases as it move throughout our sky over a mo	
VOCABULAR\	Y :	
Waxing Mo	oon -	

Waning Moon -

New Moon -

Crescent Moon -

Gibbous Moon -

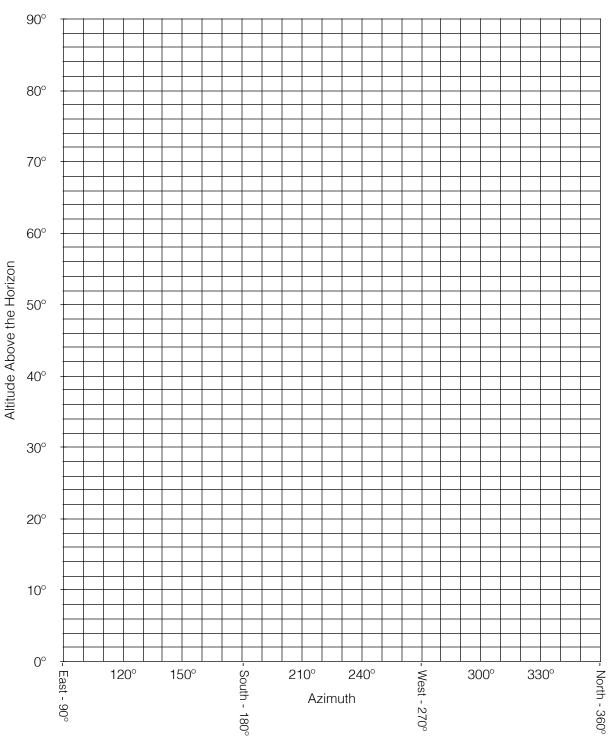
PROCEDURE A:

- 1. Fill in the chart with the Moon Phase for each viewable portion of the Moon that was observed.
- 2. Observations of the Moon were taken every night at 9:00 pm for about a month. Using the Moon Observation Chart, plot an "x" for the altitude and azimuth onto the Earth's Horizon Chart.

MOON OBSERVATION CHART

Date	Altitude	Azimith	Viewable Portion	Moon Phase
Feb 27	00	290°	1%	
Feb 28	10°	285°	17%	
March 1	20°	280°	27%	
March 2	34°	275°	36%	
March 3	arch 3 46°		47%	
March 4	58°	260°	59%	
March 5	68°	230°	70%	
March 6	72°	200°	80%	
March 7	66°	160°	88%	
March 8	56°	140°	94%	
March 9	46°	130°	99%	
March 10	34°	120°	100%	
March 11	20°	110°	99%	
March 12	0°	100°	95%	

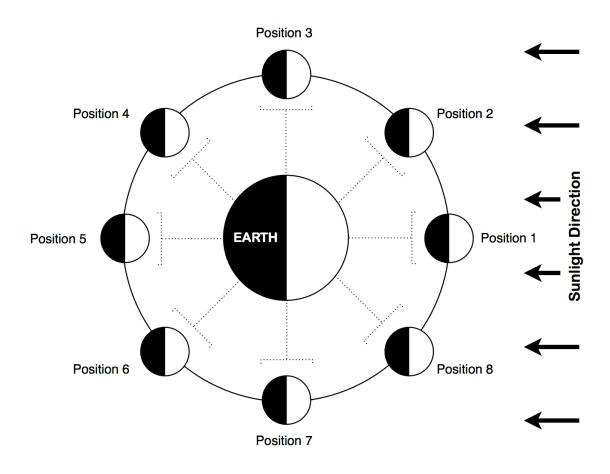


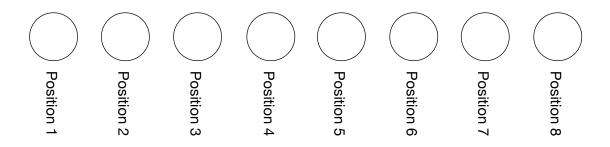


PROCEDURE B:

- 1. Using the Positions of the Moons Diagram and your knowledge of Earth's Moon, sketch the visible portion of the moon for positions 1 through 8 below.
- 2. Be sure to shade in the portion of the moon that you do not see.

POSITIONS OF THE MOON DIAGRAM





PROCEDURE C:

- 1. Using the Moon Phase Images, label the proper moon phase.
- 2. Be sure to check if it is a waxing moon or waning moon.
 - Remember: "Light on right... moon grows bright!"

□ Waxing	□ Waning	Moon Phase:
□ Waxing	□ Waning	Moon Phase:
□ Waxing	□ Waning	Moon Phase:
□ Waxing	□ Waning	Moon Phase:
□ Waxing	□ Waning	Moon Phase:
□ Waxing	□ Waning	Moon Phase:
□ Waxing	□ Waning	Moon Phase:
□ Waxing	□ Waning	Moon Phase:

DISCUSSION QUESTIONS:

DISCUSSION QUESTIONS.
1. What is meant when the Moon is said to be waxing?
2. What is meant when the Moon is said to be waning?
3. What is the phase of the moon just before and just after the New Moon?
4. What is the phase of the moon just before and just after the Full Moon?
5. Are the phases of the moon cyclic?
CONCLUSION: Describe the change in the Moon's phase that takes place over the span of one cycle.