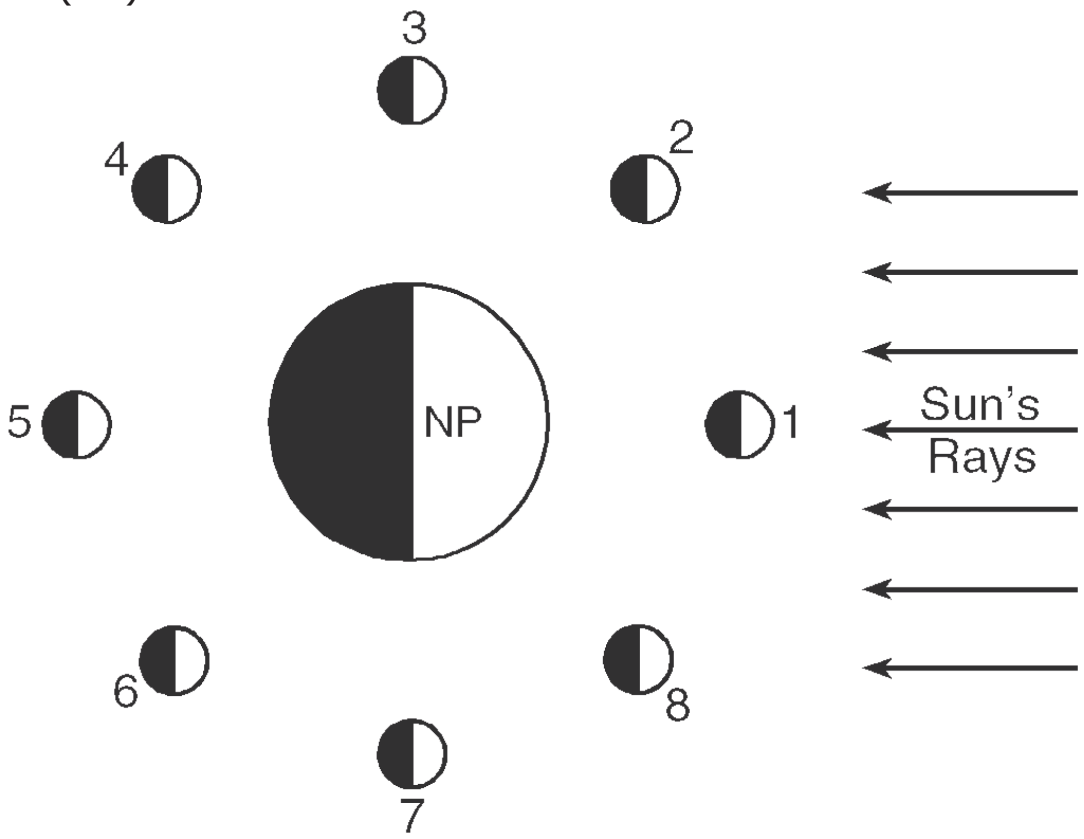
LAB: MOON TIME

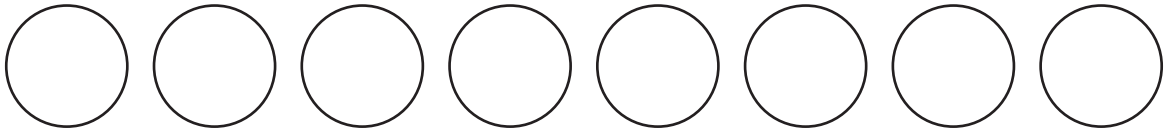
by Charles Burrows

The diagram below shows the Moon in different positions as it revolves **counterclockwise** around the Earth, as observed from above the North Pole (NP). Earth rotates **counterclockwise** in this view.



Label the following times along the surface of the Earth above:
12am, 3am, 6am, 9am, 12pm, 3pm, 6pm, 9pm

How would the Moon look from Earth?
Shade in each circle below to show the phases of the moon.



1 2 3 4 5 6 7 8

Names of the Lunar Phases:

1._____ 5._____

2._____ 6._____

3._____ 7._____

4._____ 8._____

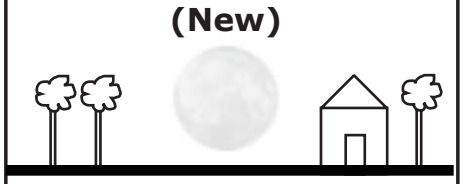
Complete the following table:

	Rises in the East	Highest in the Southern Sky	Sets in the West
New Moon			
Waxing Crescent			
First Quarter			
Waxing Gibbous			
Full Moon			
Waning Gibbous			
Last Quarter			
Waning Crescent			

Using the diagrams on the following pages, determine the approximate time of each picture. Write the times here:

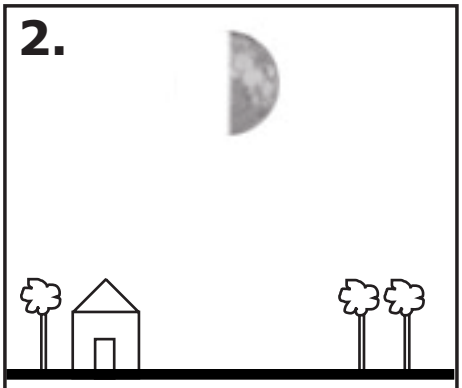
1.	2.	3.	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.
17.	18.	19.	20.
21.	22.	23.	24.

1.



WEST

2.



SOUTH

3.

EAST

4.

WEST

5.

EAST

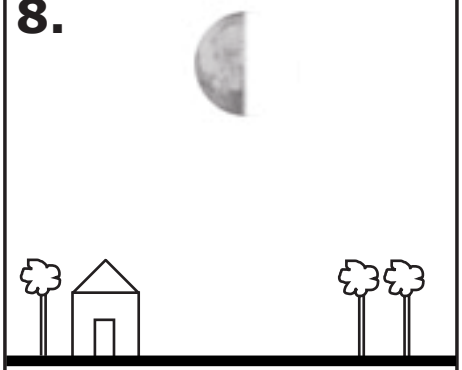
6.

WEST

7.

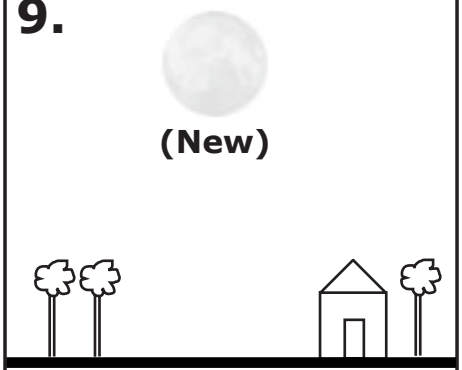
EAST

8.



SOUTH

9.



SOUTH

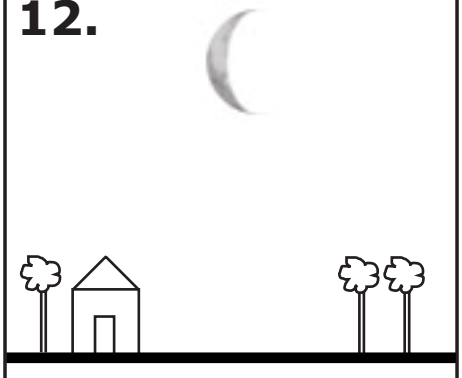
10.

WEST

11.

EAST

12.



SOUTH

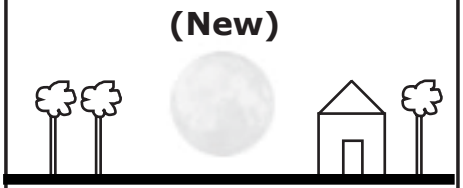
13.

WEST

14.

SOUTH

15.



EAST

16.

WEST

17.

EAST

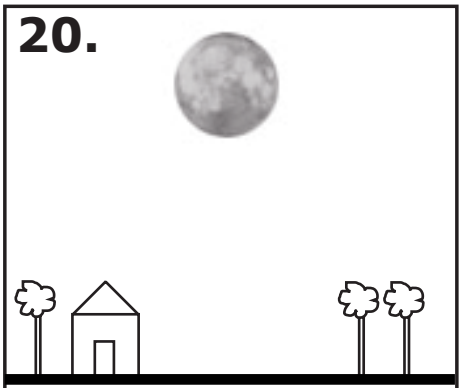
18.

WEST

19.

EAST

20.



SOUTH

21.

SOUTH

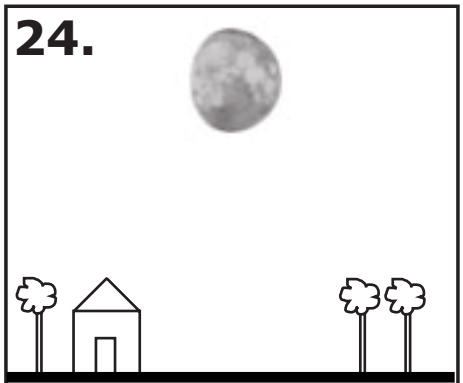
22.

WEST

23.

EAST

24.



SOUTH