

SUBJECT: Natural Science and E.E	GRADE:	FG	G	T	1	2	3	4	DATE:
		5	6	7	8	9	10	11	
STUDENT:		TEACHER: Mrs. Carol Ximena Bolaños Prieto & Ms. Megan Laurel Atkin							
FORMAL ASSESSMENT <input type="checkbox"/>		NON FORMAL ASSESSMENT <input type="checkbox"/>							
RUBRIC No. 1 Highest Level of Learning: 5Pb1 Explore, through modelling that the Sun does not move; its apparent movement is caused by the Earth spinning on its axis 5Pb2 Know that the Earth spins on its axis once in every 24 hours - 5Eo1 Make a relevant observations 5Eo5 Decide whether results support predictions 5Eo6 Begin to evaluate repeated results - 5Ep2 Use observation and measurements to test predictions and make links									

FOR THIS GUIDE YOU HAVE 50 MINUTES TO ANSWER AND 10 MINUTES TO CHECK (60 MINUTES).

SUN AND MOON

PART 1 – The Sun

▲ In this picture, a photograph of the Sun was taken every 30 minutes and the images were put together to show the way in which the Sun rises and appears to move across the sky from east to west.



Today, we still say that the Sun 'rises' at a time that we call sunrise. And we say that the Sun 'sets' at a time that we call sunset, even though we know that it is really the Earth that moves and not the Sun. The Sun rises in the east and sets in the west.

1. Why does the Sun appear to move across the sky?

2. Where does the Sun go at night?

3. If it is daytime where you live, is your part of the Earth facing the Sun or facing away from the Sun?

4. Ai lives in Beijing. Her cousin Hang lives in San Francisco. San Francisco is nine hours ahead of Beijing.

a. Complete the table

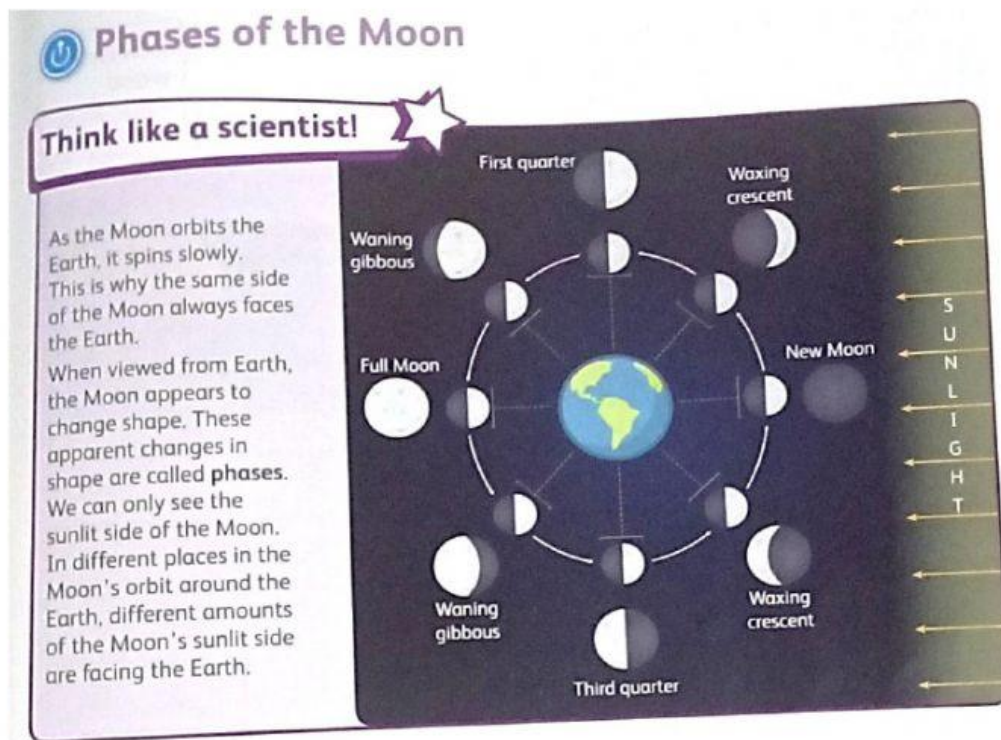
Time in Beijing	Time in San Francisco
8 a.m.	5 p.m.
10 a.m.	7 p.m.
12 p.m.	
2 p.m.	
4 p.m.	
6 p.m.	
8 p.m.	

b. What time will it be in San Francisco when it is 9 p.m. in Beijing? _____

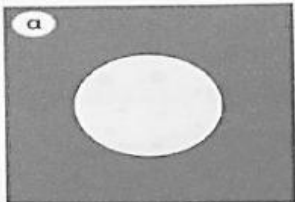
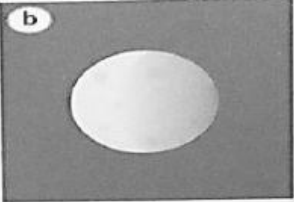


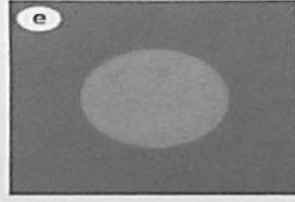
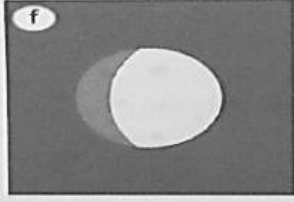
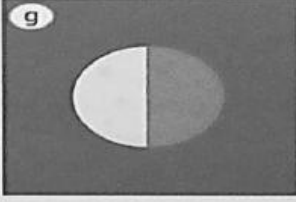
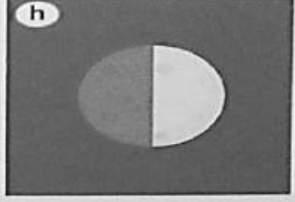
c. Ai wants to phone Hang. What time of day would be best for her to make the phone call? _____

d. Explain your answer you gave to the question C. _____

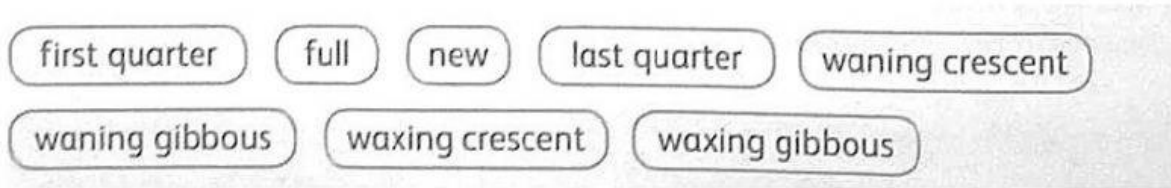
PART 2 – The Moon



5. Order the phases of the Moon. Write the numbers 1 to 8 in the boxes. Number 1 has been done for you.

<div><input type="text"/></div> a 	<div><input type="text"/></div> b 	<div><input type="text"/></div> c 	<div><input type="text"/></div> d 
<div><input type="text"/></div> e 	<div><input type="text"/></div> f 	<div><input type="text"/></div> g 	<div><input type="text"/></div> h 

a. Label the phases of the Moon above. Write one of these labels below each picture.



6. About how long does it take the Moon to complete one orbit around the Earth?

How do you Know?

7. Describe the Moon characteristics.

8. Which is the effect of Moon on tide?
