





- How much of the Earth is always dark (approximately)? 1.
- 2.
- 3. a) In the pictures, which point is entering darkness?
 - b) What is that time of day called? Sunse
 - c) What is the approximate time at that location? 12PM 3PM 6PM **12AM 3AM** 9AM) 9PM 6AM
- a) Which point is exiting (leaving) darkness? 4.
 - b) What is that time of day called? __Sunrise_
 - c) What is the approximate time at that location? 12AM 3AM (6AM) 9AM 12PM 3PM 6PM 9PM
- a) At which point is the Sun directly overhead? 5.
 - b) What is that time of day called?
 - c) What is the approximate time at that location?
 - 12AM 3AM 6AM 9AM (12PM) 3PM 9PM
- a) Which point is in the middle of the night? 6.
 - b) What is that time of day called? Midnight
 - c) What is the approximate time at that location?
 - 12AM 3AM 6AM 9AM 12PM 3PM 6PM 9PM
- 7. What is the approximate time at letter F?
 - What is the approximate time at letter G?
- 9. What is the approximate time at letter H?

8.

- What is the approximate time at letter E? 10.
- **3AM** 6AM 9AM 12AM

12AM 3AM

12AM 3AM

- 6AM 9AM 12AM 3AM
 - 6AM
 - 9AM 6AM 9AM
- 12PM 3PM 12PM 12PM 3PM

12PM 3PM

- 6PM **3PM**
- 9PM 9PM 6PM 6PM 9PM

9PM

6PM

11.	We say that the Sun "rises," "sets," and "moves through the sky." What really happens?
	The Earth rotates, so it looks like the Sun moves.
12.	a) Define rotation: Spinning on an axis through of Rotation
	b) Define revolution: Orbiting in a circle
13.	How long does it take Earth to complete 1 rotation?
14.	How long does it take Earth to complete 1 revolution?
15	a. Which way does the Earth Rotate? Provide an answer that works from any vantage point. Draw a picture.
	Eastward 60
	b. How can you prove that your answer is correct?
	The sun appears to rise in the East and Set in the west (moving westward), so we
	Set in the west (moving westward), so we
	are actually rotating Eastward.
	c. If we look down at the Earth from above the North Pole, which direction does it rotate? Constant C
Time o	of Day Practice:
1. On	agrams on the right show three different view of the Earth. all three diagrams, shade the dark part of the Earth,
	the top view diagram, label the time at each letter.
Use or	ne of these choices:
	3AM 6AM 9AM 12PM 3PM 6PM 9PM the top view diagram, label midnight, sunrise, sunset,
and no	A4. 0 1/15/2/801
	"Side View" (Midnight) (noon)
	$\bigcap_{N} \left\{ \left(A + A \right) \right\} = \bigcap_{N} \left\{ \left(A - $
В	Sunlight Silling House State S
	s Top View"
	(Surrise)