

SECTION 1

Reinforcement

Earth

Directions: Circle the term in the puzzle that fits each clue. The terms read across or down. Then write the term on the line.

M S P H E R E T R L E S
R E V O L U T I O N L D
E Q U A T O R L T L O A
S U M M E R Z T A I S Y
E I A N E R W P T E I Y
A N X L E E L L I P S E
S O L S T I C E O M O A
A X I S M I W I N T E R

- _____ 1. occurs when the Sun is directly over the equator
- _____ 2. earth's spinning that causes night and day
- _____ 3. solstice that occurs in December in the southern hemisphere
- _____ 4. round, three-dimensional object whose surface at all points is the same distance from its center
- _____ 5. a complete orbit made by Earth around the Sun
- _____ 6. imaginary line around which Earth spins
- _____ 7. property of Earth that causes seasons
- _____ 8. shape of Earth's orbit
- _____ 9. solstice that occurs in December in the northern hemisphere
- _____ 10. time it takes Earth to rotate on its axis
- _____ 11. time it takes Earth to revolve around the Sun
- _____ 12. two times during the year, the Sun is directly over this imaginary line that circles Earth halfway between the poles.
- _____ 13. occurs when the Sun reaches its greatest distance north or south of the equator

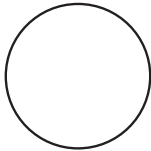
SECTION 2

Reinforcement

The Moon—Earth's Satellite

Directions: Identify each phase of the Moon in Figure 1 by writing its name on the line beneath the phase shown. Then answer the following questions on the lines provided.

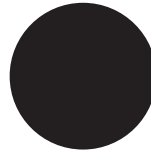
Figure 1



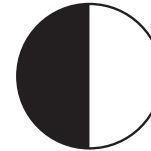
1. _____



2. _____



3. _____

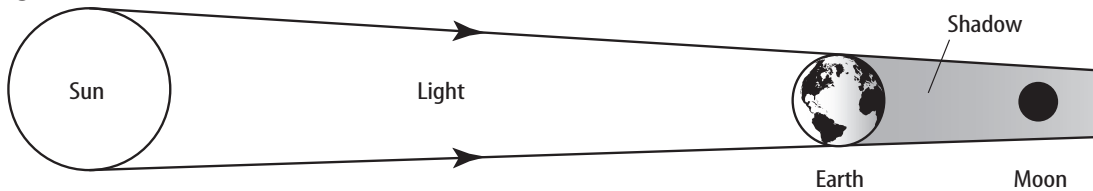


4. _____

- _____ 5. What phase occurs between the full moon and the third quarter?
 _____ 6. What phase occurs between the third quarter and the new moon?
 _____ 7. What phase occurs between the new moon and the first quarter?
 _____ 8. What phase occurs between the first quarter and the full moon?

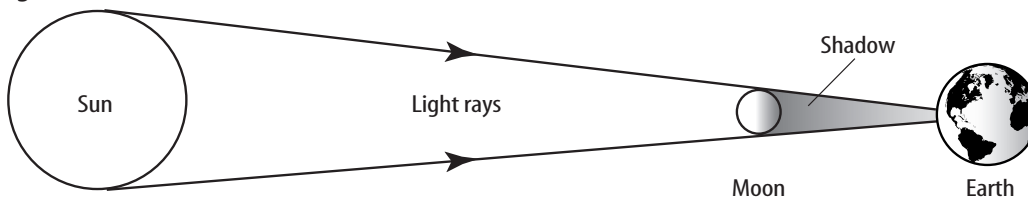
Directions: Identify Figures 2 and 3 as either a **total lunar eclipse** or **total solar eclipse**. Then on the lines below, explain why each type of eclipse happens and who would be able to see the eclipse.

Figure 2



9. _____

Figure 3



10. _____

11. Figure 2: _____

12. Figure 3: _____
