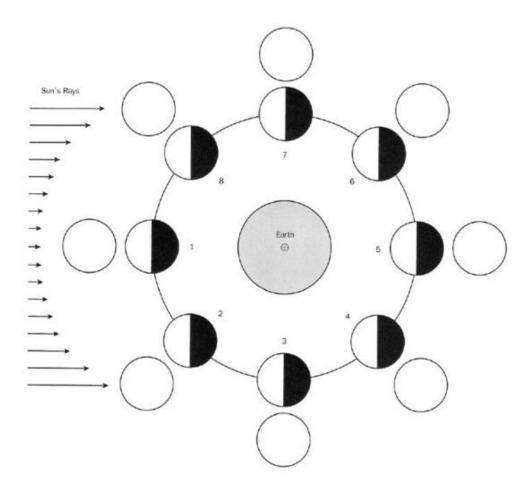
The diagram below represents the Moon orbiting the Earth as it would be viewed from space above the North Pole.

- 1-2. The Moon orbits the Earth in a _____ (clockwise, counter-clockwise) direction. **Draw** and **label** an arrow on the diagram below to show the direction of the Moon's orbit.
- 3-10. **Shade** and **label** the 8 empty circles to represent the phases of the moon as they would be viewed on Earth.



- 11. When the *right* side of the Moon is reflecting sunlight and is illuminated we call it _______.

 (waning, waxing). When the *left* side of the moon is illuminated it is called ______.
- 12. It takes the Moon approximately _____ days to cycle through the Moon phases.
- 13. _____ True or False The Moon gives off it's own light which is why we can see it at night. Explain.

14. The moon's orbit is tilted 5 degrees from the Earth's orbit. there are two points in this orbit that can cause an eclipse to occur.

Label the two boxes to indicate where a **solar** eclipse and a **lunar** eclipse would occur.

