Name: ____ Test Date:____________________

Pre-AP Review: Earth, Moon, Sun

This is a review of the basic information for our Earth, Moon, and Sun unit. Make sure you are prepared to APPLY this information on your knowledge challenge (test) in various situations and diagrams.
Review your foldable, starters & all labs completed during this unit.

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True/False   Complete the Sentence   Short Answer
Multiple Choice   Interpreting Diagrams

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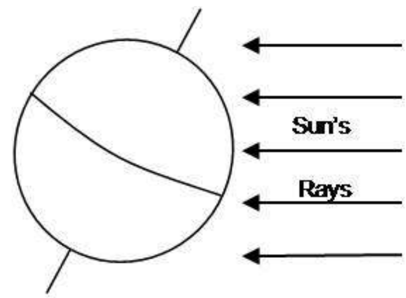
Rotation vs Revolution

1. Define the following terms. Provide a period of time when possible.
   a. axis-
   b. revolution-
   c. rotation-



2. Draw the correct representation of day and night.

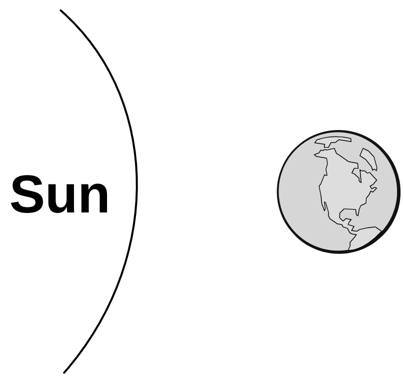
3. Complete the table.

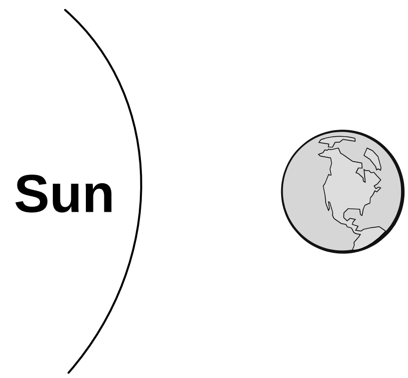
Time Period	Day	Month	Year
Caused by:			
Amount of time:			

Tides

1. What causes tides?

2. Define & draw the moon placement for the following tides.
   a. neap tide
   b. spring tide





3. Which moon phase(s) occur during the following tides?
   a. neap tide
   b. spring tide

4. How many regular tides occur most places on Earth each day?

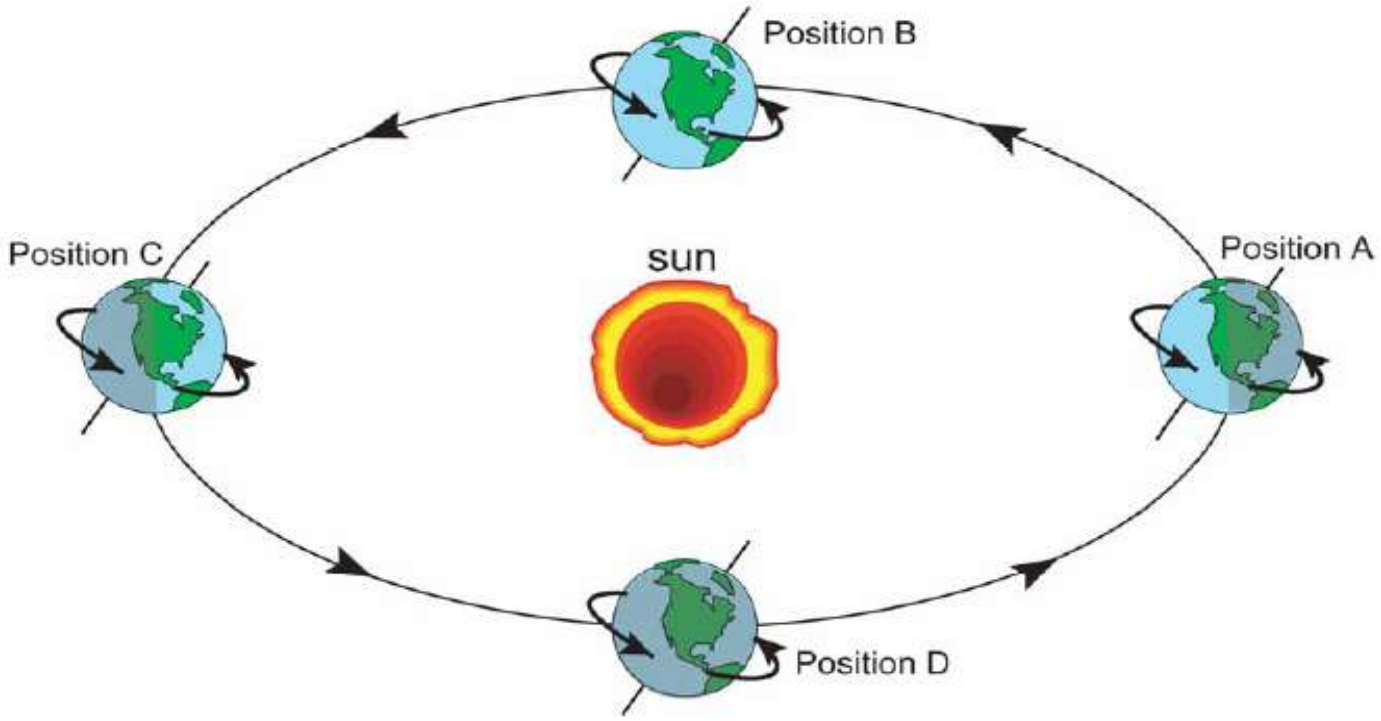
<u>Seasons</u>

1. What causes the seasons?

2. List 2 reasons why summer is warmer than winter.

3. Describe the difference between direct light and indirect light.

4. Label the seasons at <u>each</u> position for the Northern <u>and</u> Southern Hemisphere.



5. Complete the table.

Name of Day	Summer Solstice	Autumnal Equinox	Winter Solstice	Vernal Equinox
Position in Diagram				
N. Hemisphere Date				
S. Hemisphere Date				
Interesting Fact #1 (hours of daylight)				
Interesting Fact #2				

6. At what position, would the Arctic Circle (North Pole) experience 24 hours of daylight? _____
7. At what position, would the Antarctic Circle (South Pole) experience 24 hours of daylight? _____

Eclipses

1. Draw a diagram of the placement of the Earth, Moon & Sun during a lunar eclipse. What phase of the moon do we see from Earth?

2. Draw a diagram of the placement of the Earth, Moon & Sun during a solar eclipse. What phase of the moon do we see from Earth?

Moon Phases

1. What causes the moon to change shape as it moves through the sky?

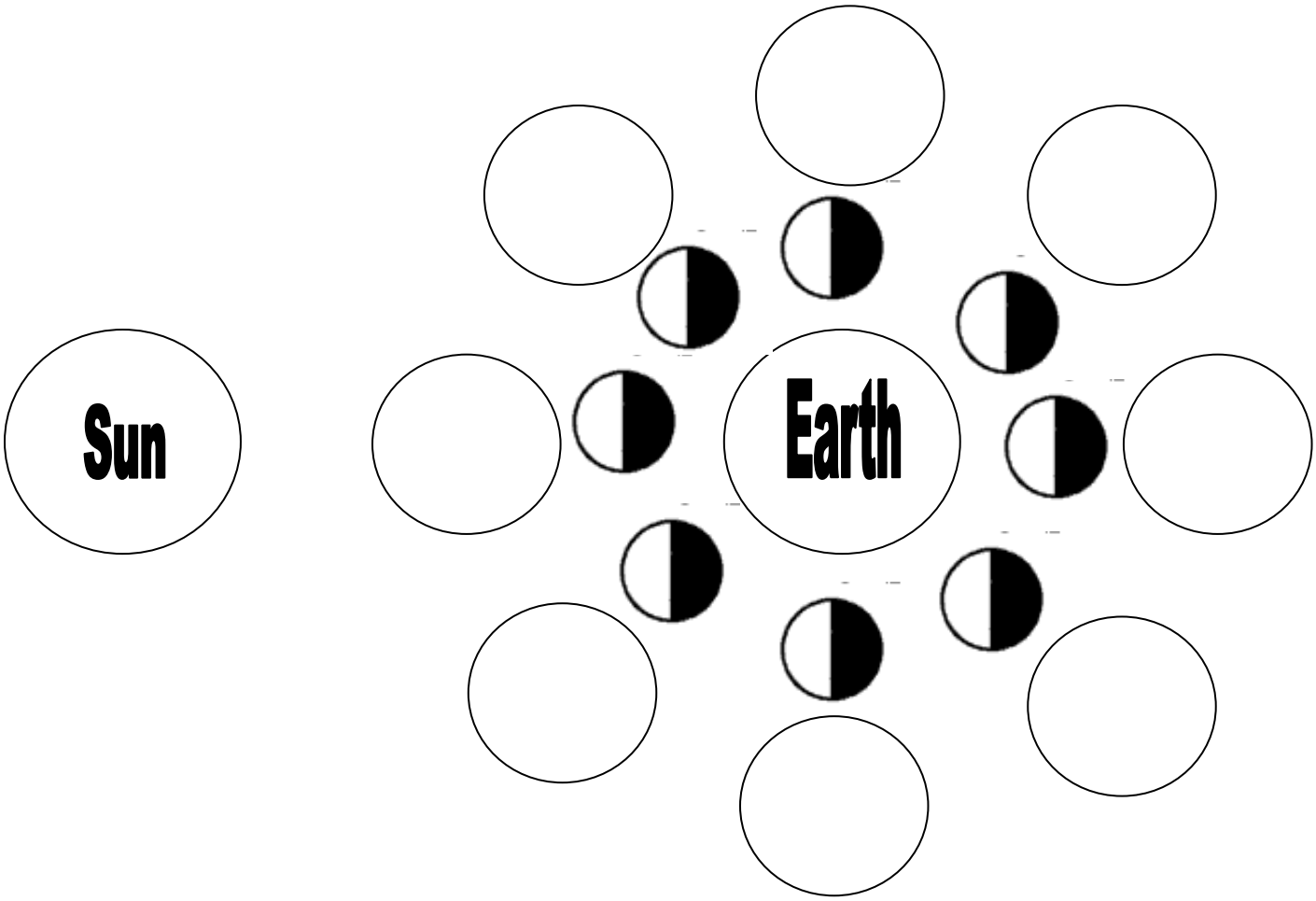
2. Why can the moon be seen from Earth?

3. Why do we always see the same side of the moon?

4. What percentage of the moon is always illuminated by the Sun's rays?

5. What is the difference between waxing and waning?

6. Draw & label <u>each</u> moon phase as seen from Earth.
   a. What direction does the Moon revolve around the Earth? _____



7. Practice predicting what moon phase would occur at different places in the moon's revolution!

Remember!

Use Test-Taking RULES:

- **Read and re-read everything.**
- **Underline the question and important words.**
- **Look at pictures/charts/diagrams/graphs. They are there for a reason.**
- **Eliminate wrong answers. Why are they wrong?**
- **Select and check your answer.**