



Revision Worksheet

Subject: IEP Science

Grade: 9

Name: _____

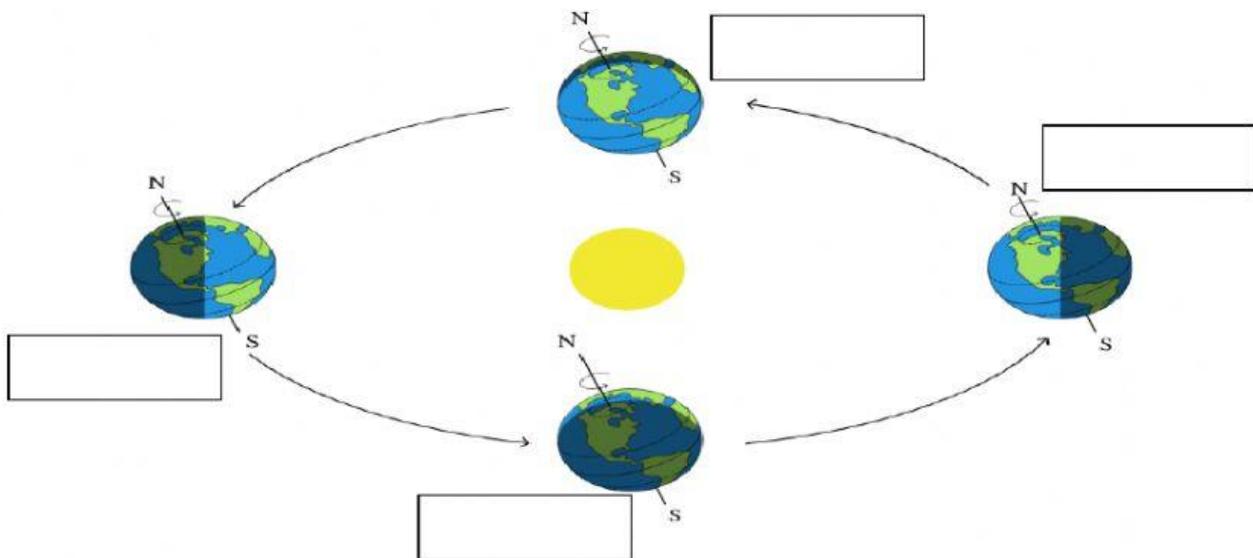
Class: _____

Section 1: A- Use the words in the box to fill in the blanks.

rotation leap year day axis revolution

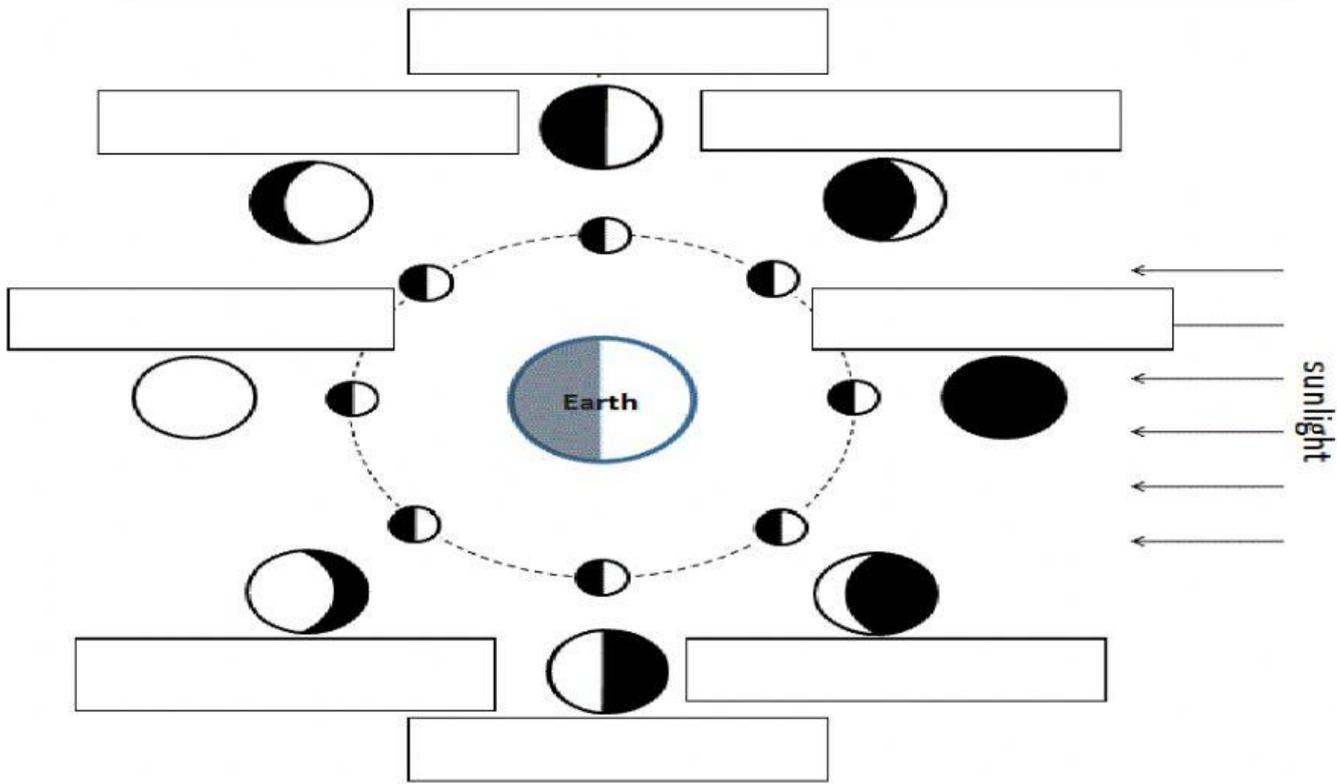
- 1- The spinning of a body, such as a planet, on its axis is called _____.
- 2- The time it takes a planet to complete one full rotation on its axis is called a _____.
- 3- The motion of a body that travels around another body in space is called _____.
- 4- Earth completes a full revolution around the sun in $365 \frac{1}{4}$ days, or about one _____.
- 5- We experience seasons due to the tilt of Earth's _____.
- 6- Every four years, one day is added to February to become 29 days.
This is called a _____ year.

B- Which season does the Northern Hemisphere experience at each position?



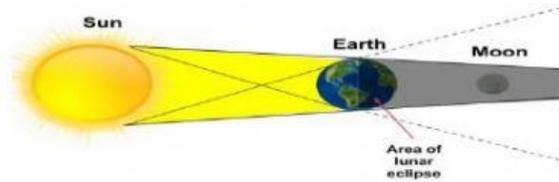
Section 2: A- Use the words in the box to fill in the diagram below.

First Quarter	Full Moon	Waning Gibbous	Waxing Gibbous
Third Quarter	New Moon	Waxing Crescent	Waning Crescent



B- Determine the type of eclipse in each diagram.





Section 3: Circle the correct answer.

1- The changes in the moon's appearance is called _____.

A- Solar phases

B- Lunar phases

2- An _____ is an event during which one object in space casts a shadow onto another.

A- eclipse

B- phase

3- The lighter part of a shadow is called the _____.

A- Umbra

B- Penumbra

4- During a _____ solar eclipse, the sun's light is completely blocked by the moon.

A- total

B- partial

5- What phase is the moon in when there is a total solar eclipse?

A- New moon

B- Full moon

6- A total _____ eclipse occurs when the moon passes completely into Earth's umbra.

A- Solar

B- Lunar

7- What phase is the moon in when there is a total lunar eclipse?

A- New moon

B- Full moon

8- Why solar and lunar eclipses don't occur every month?

A- because the Earth's axis is tilted by 23.5°

B- because the moon's orbit is tilted by about 5°