



المدرسة
الوطنية الأرثوذكسية
الشميساني

The National
Orthodox School
Shmaisani

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Subject: Science/ Physics

Name:

Title: Worksheet 1-

Unit 5: Solar System

Grade-Section: 6 CS -

Date:

Objectives:

- Differentiate between Earth Revolution and rotation.
- Identify different seasons in both the northern and the southern hemispheres.
- Differentiate between the solar and the lunar eclipses.
- Identify the phases of Earth's moon.

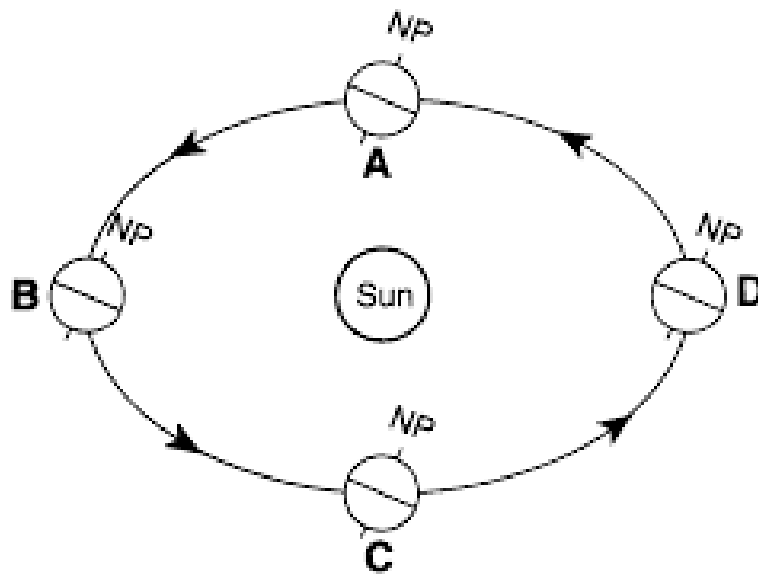
Question 1:

Differentiate between Earth movements in the following table:

	Revolution	Rotation
Where does it take place?		
How long does it take?		
What occurs because of this movement?		

Question 2:

Study the following diagram and answer the questions that follow:



(Not drawn to scale)

- a. Fill in the table with the **seasons each of the hemispheres** is having in each position:

	Northern Hemisphere	Southern Hemisphere
A		
B		
C		
D		

- b. Which hemisphere is having longer days and shorter nights at position D?

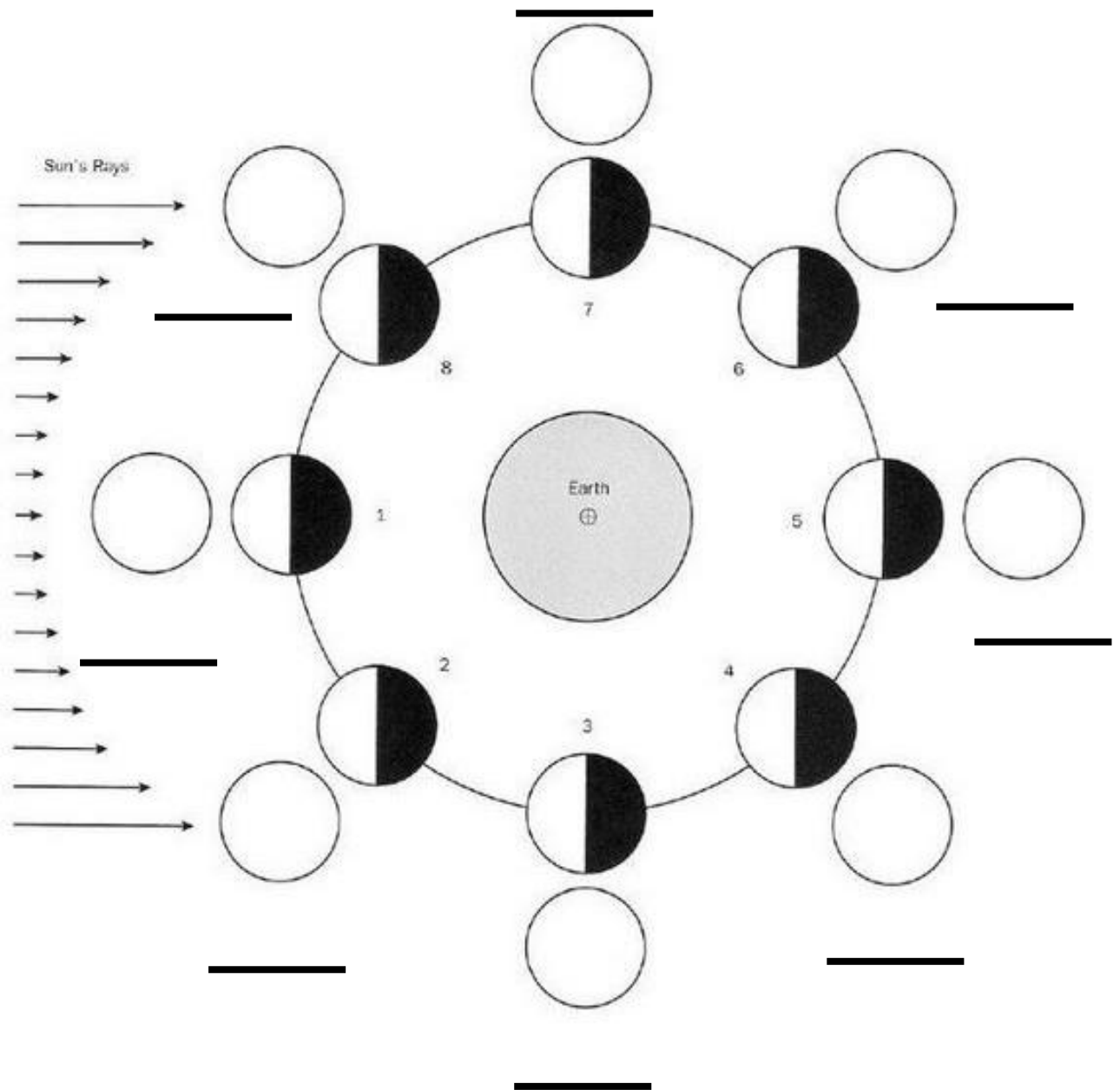
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- c. In which hemisphere is the sun higher in the sky at position B?

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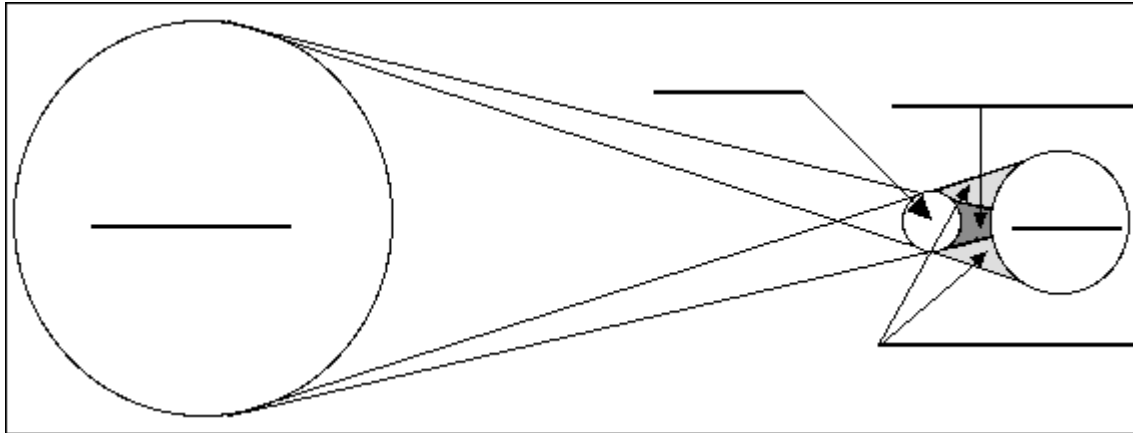
Question 3:

**Shade the part of the moon that we can view from Earth in each position?
And write the name of the phase of the moon in each position from 1 – 8.**



Question 4:

1. Study the following diagram, and answer the questions that follow:



a. What type of eclipse does the diagram show? How did you know?

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b. Which area of Earth is having a total eclipse?

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c. Which area is having a partial eclipse?

.....

2. label the following diagram and state the type of eclipse taking place:

Eclipse type:

