Grade: IV   **Subject: Social studies**

Date :22.8.23   **Name:**

Worksheet-3

3.Movements of the Earth

I. Choose the statement which is true or false and shade it.

a)	The side of the Earth not reached by the Sun's rays experiences daytime.	True	False
b)	The Sun rises in the East and sets in the West.	True	False
c)	It takes the Sun 24 hours to rotate around the Sun.	True	False
d)	There are four seasons in a year: Spring, Summer, Autumn and Winter.	True	False
e)	The curved path the Earth takes around the Sun is called the Orbit.	True	False
f)	It takes Earth 369 days to orbit the Sun. This means there are 369 days in a year.	True	False

g)	Leap year is a year that has one extra year.	True	False
h)	The occurrence of day and night is caused by the Earth's rotation.	True	False
i)	Revolving means to move up and down.	True	False

II. Observe the diagram given below and answer the questions
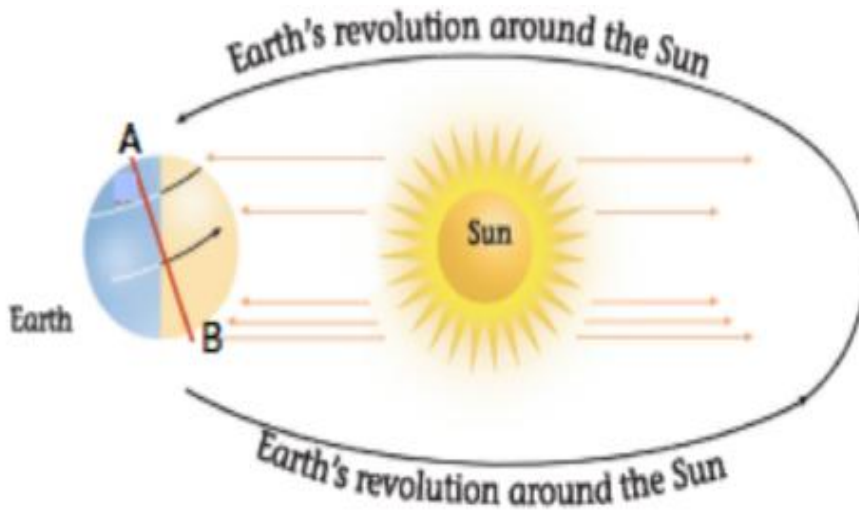
a) What does it show?

_____

b) According to this diagram, which point on the Earth is experiencing a warmer weather?

_____

c) Point A or B? Explain why this is happening.

_____

d) Do you think both A and B will experience the same season for a few months?

_____

e) Why do you think so?

_____

f) Which seasons are point A and B experiencing?

_____

III. Fill in the blanks

1.The weather pattern that exists over many years in a place is referred to as the _____of that place.

2.In some countries, the _____ season is called 'fall'.

3. Many places on Earth experience snowfall during ___ season.

IV. Answer the following

1.What are the effects of monsoon season in India?

_____

_____

2. In which season would you.

a) Wear synthetic clothes so that they dry fast. _____ .

b) Drink hot soup. _____

c) Wear light jackets. _____

d) Use a sunscreen cream. _____ .

3. Describe how seasons are formed on Earth.

_____

_____

_____

_____

Rotation vs Revolution

Instructions

Read each bubble and determine if the phrase is describing the rotation or the revolution of the Earth. If it describes rotation, colour the bubble yellow. If it describes revolution, colour the bubble green.

causes day and night

the spinning of Earth on its axis

takes 24 hours to complete

occurs in 1 day

the Sun is in the East in the morning, but in the West in the evening

takes 1 year to complete

works in a similar way to a spinning top

when the Earth is facing toward the Sun, it is daytime

follows a path called an orbit

takes approximately 365 days

causes the seasons

the movement of the Earth around the Sun

the hemisphere facing toward the Sun experiences summer