Motions of the Earth

Question 1.
In Australia Christmas is celebrated in the season:
(i) Winter
(ii) Summer
(iii) Spring
(iv) Autumn

▼ Answer

Answer: (ii) Summer

Question 2.
In the revolution, motion of the Earth around the Sun in its orbit completed in :
(i) 365 days
(ii) 366 days
(iii) 365 ¼days
(iv) 367 days

▼ Answer

Answer: (iii) 365 ¼days

Question 3.
The axis of Earth is inclined:
(i) 23 ½°
(ii) 66 ½°
(iii) 22 ½°
(iv) 10°

▼ Answer

Answer: (ii) 66 ½°

Question 4.
In the leap year excess one day is added in the month of:
(i) January
(ii) February
(iii) March
(iv) April

▼ Answer

Answer: (ii) February

Question 5.
Direct rays of the Sun fall on the equator on:
(i) 21 March
(ii) 21 June
(iii) 22 December
(iv) 21 September

▼ Answer

Answer: (ii) 21 June

Question 6.
An equinox happens each year
(a) Thrice
(b) Four times
(c) Twice
(d) Once

▼ Answer

Answer: (c) Twice

Question 7.
The sun's rays fall vertically on the _____ on 21st. June
(a) Arctic Circle
(b) Tropic of Cancer
(c) Tropic of Capricorn
(d) Antarctic Circle

▼ Answer

Answer: (b) Tropic of Cancer

Question 8.
In perihelion, Helios means
(a) Hydrogen
(b) Light
(c) Hemisphere
(d) Sun

▼ Answer

Answer: (d) Sun

Question 9.
How much time does the earth take time to complete its rotation?
(a) 22
(b) 23
(c) 24
(d) 20

▼ Answer

Answer: (c) 24

Question 10.
Earth receive light from the
(a) Moon
(b) Mars
(c) Sun
(d) Venus

▼ Answer

Answer: (c) Sun

Question 11.
In leap year, the month of February has
(a) 31 days

(b) 29 days
(c) 30 days
(d) 28 days

▼ Answer

Answer: (b) 29 days

Question 12.
Earth's movement around sun is called
(a) Rotation
(b) Revolution
(c) Solstice
(d) Equinox

▼ Answer

Answer: (b) Revolution

Question 13.
The earth takes _____ to complete one revolution
(a) 365 days and 9 hours
(b) 365 days and 8 hours
(c) 365 days and 7 hours
(d) 365 days and 6 hours

▼ Answer

Answer: (d) 365 days and 6 hours

Question 14.
How many Solstices are there in every year
(a) 2
(b) 3
(c) 5
(d) 4

▼ Answer

Answer: (a) 2

Question 15.
The sun rays are vertical over the _____ during _____
(a) Tropic of Capricorn, equinox
(b) Tropic of cancer, winter solstice
(c) Tropic of Capricorn, summer solstice
(d) Tropic of cancer, summer solstice

▼ Answer

Answer: (d) Tropic of cancer, summer solstice

Match the following

1.

Column-I	Column-II
1. Leap year	(a) 24 Hrs.

2. One Rotation time	(b) 366 days
3. One Revolution time	(c) 21st June365
4. Equinox	(d) 22 December
5. Winter solstice	(e) 21 March & 23 Sept
6. Summer Solstice	(f) 365 days

▼ Answer

Answer:

Column-I	Column-II
1. Leap year	(b) 366 days
2. One Rotation time	(a) 24 Hrs.
3. One Revolution time	(f) 365 days
4. Equinox	(e) 21 March & 23 Sept
5. Winter solstice	(d) 22 December
6. Summer Solstice	(c) 21st June 365

Fill in the blanks

1. ..... is the daily motion of the Earth.

▼ Answer

Answer: Rotation

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2. The Earth moves around the Sun in an ..... during its revolution motion.

▼ Answer

Answer: elliptical orbit

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3. Summer Solstice falls on ..... .

▼ Answer

Answer: 21 June

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4. Winter Solstice falls on ..... .

▼ Answer

Answer: 22 December

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5. Equinox fall on ..... and ..... .

▼ Answer

Answer: 21 March & 23 September

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6. A leap year has ..... days.

▼ Answer

Answer: 366

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7. Movement of Earth on the axis is called …… .

▼ Answer

Answer: Rotation

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8. The Earth receives light from the …… .

▼ Answer

Answer: Sun

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9. Axis of the earth makes an angle of …… with its orbit plane.

▼ Answer

Answer: 66 ½°

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10. When whole Earth experience equal days and equal nights it is known as …… .

▼ Answer

Answer: equinox

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11. The two movements of the Earth are …… and …… .

▼ Answer

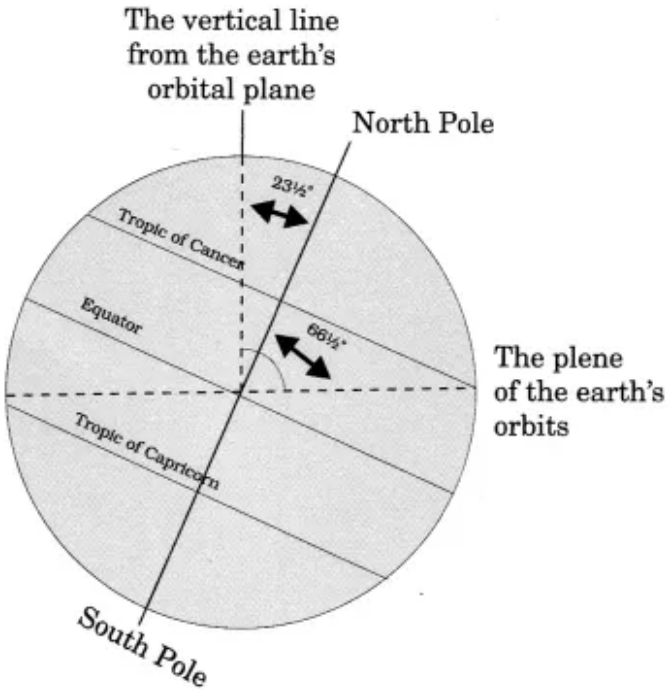
Answer: Rotation and revolution

Picture Based Questions

1. Indicate through picture: inclination of the Earth's axis and the orbital plane

▼ Answer

Answer:



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2. Indicate through picture: day and night on the Earth due to rotation.

▼ Answer

Answer: