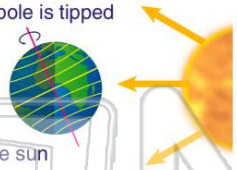
The Sun-Earth-Moon System

Sci G

Name _____ Class _____ Date _____

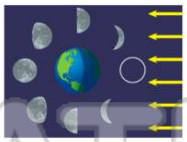
1 In the winter season in the Northern Hemisphere, some **northern latitudes** experience **24-hour** _____.

A sunlight because the pole is tipped toward the sun
B darkness because the pole is tipped away from the sun
C sunlight because the pole is tipped away from the sun
D darkness because the pole is tipped toward the sun



2 The revolution of the **moon** around the earth makes it appear different to us throughout the **month**. At times we see the **entire face** of the moon and at others, only a **portion** of it, with the rest being in shadow. The different appearances of the moon throughout the month are known as the moon's _____.

A eclipses
B waning
C waxing
D phases



3 When the portion of the moon that is lit by sunlight is **getting larger**, the moon is said to be _____.

A waxing
B waning
C in eclipse
D in phase

4 When the portion of the moon that is lit by sunlight is **getting smaller**, the moon is said to be _____.

A waxing
B waning
C in eclipse
D in phase

5 V s c th e T

A
B
C
D

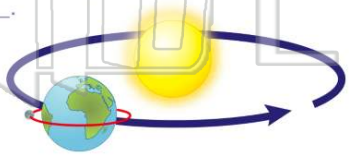
7 E to is

A
B because the earth's rotation around the sun is an ellipse
C because the moon's orbit around earth is tilted
D because the moon's axis is tilted

A 2.3 billion years old
B 2.3 million years old
C 4.6 billion years old
D 4.6 million years old

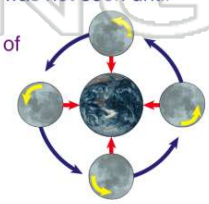
9 A natural celestial body that **travels around** another celestial body is known as a(n) _____.

A moon
B planet
C asteroid
D satellite



10 The moon has an axis and **rotates** on that axis, just like the earth rotates on its axis. However, from the earth, we only see **one side of the moon**. The other "dark side" of the moon was not seen until astronauts flew around the moon. We only see one side of the moon because its period of rotation is the **same** as its period of revolution around the earth. True or false?

A true **B** false



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ANSWER KEY

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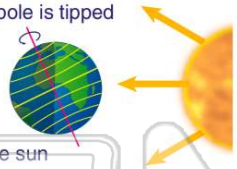

b

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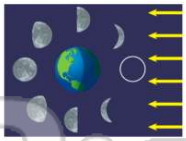

d

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B waning
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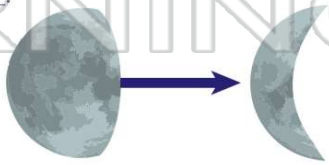
D in phase



b

rotation around the sun is an ellipse
C because the moon's orbit around earth is tilted
D because the moon's axis is tilted

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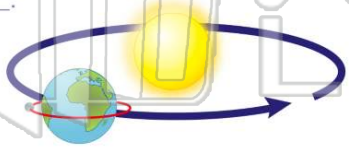

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The moon has an axis and **rotates** on that axis, just like the earth rotates on its axis. However, from the earth, we only see **one side of the moon**. The other "dark side" of the moon was not seen until astronauts flew around the moon. We only see one side of the moon because its period of rotation is the **same** as its period of revolution around the earth. True or false?

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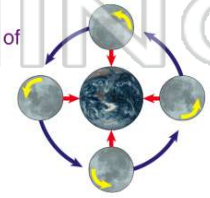

a