

Q1

Station 1

This vocabulary term means turning or spinning around an axis-

- A) rotation
- B) revolution
- C) orbit
- D) axis

© B. Reincke, Copyright 2020

Q2

Station 1

This is an imaginary line through the center of Earth-

- E) day
- F) axis
- G) revolution
- H) rotation

© B. Reincke, Copyright 2020

Q3

Station 1

This is an area from which light is blocked-

- J) rotation
- K) axis
- L) night
- M) shadow

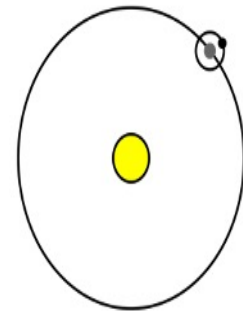
© B. Reincke, Copyright 2020

Q4

Station 1

This is the path one object takes as it revolves around another object in space-

- N) rotation
- O) axis
- P) tilt
- Q) orbit



© B. Reincke, Copyright 2020

Q1

Station 2

Which of these happens once every day in Texas?

- A) A full moon appears in the sky.
- B) The sun appears to rise in the east.
- C) The Earth rotates 24 times.
- D) Earth changes seasons.

© B. Reincke, Copyright 2020

Q2

Station 2

In which direction does the sun set in the evening?

- A) east
- B) north
- C) west
- D) south



© B. Reincke, Copyright 2020

Q3

Station 2

Which sentence below explains why we see the phases of the moon?

- A) The moon has no liquid water covering it.
- B) The moon has less gravity than Earth.
- C) The moon revolves around the Earth.
- D) The moon revolves around the Sun.

© B. Reincke, Copyright 2020

Q4

Station 2

In Austin, TX, why is the summer warmer than the winter?

- A) The Northern Hemisphere is tilted towards the sun in the summer.
- B) The Earth moves closer to the sun during summer.
- C) The moon blocks some of the sun's heat during the winter.
- D) The sun shines more during the summer months.

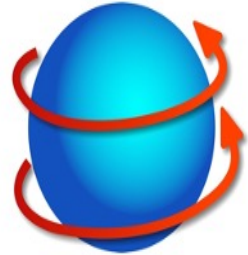
© B. Reincke, Copyright 2020

Q1

Station 3

Which of the following events is caused by the rotation of Earth on its axis?

- A) a year
- B) the four seasons
- C) the day and night cycle
- D) the tides



© B. Reincke, Copyright 2020

Q2

Station 3

About how many times does the Earth rotate on its axis each year?

- A) 24
- B) 365
- C) 30
- D) 27

© B. Reincke, Copyright 2020

Q3

Station 3

What would happen if Earth suddenly stopped rotating on its axis?

- A) the entire Earth would go dark
- B) the entire Earth would always be light
- C) the moon would drift off into space
- D) half the Earth would always be dark

© B. Reincke, Copyright 2020

Q4

Station 3

Which of the following occurs every day?

- A) The Earth revolves once around the Sun.
- B) The Moon revolves once around the Sun.
- C) The Earth rotates once on its axis.
- D) The Moon rotates once on its axis.

© B. Reincke, Copyright 2020

Q1

Station 4

About how long does it take the Earth to rotate once on its axis?

- A) 365 days
- B) 12 hours
- C) 24 hours
- D) 27 days

© B. Reincke, Copyright 2020

Q2

Station 4

What causes the seasons (fall, winter, spring, summer) on Earth?

- E) the orbits of the other planets as they revolve around the Sun
- F) the tilt of the Earth on its axis as it revolves around the Sun
- G) the rotation of the Sun as the Earth revolves around it
- H) the orbit of the Moon as it revolves around Earth

© B. Reincke, Copyright 2020

Q3

Station 4

What object follows the same orbit as Earth as it revolves around the Sun?

- A) The Moon
- B) Venus
- C) Mars
- D) an asteroid

© B. Reincke, Copyright 2020

Q4

Station 4

Which of the following would cause Earth to not have seasons?

- E) The Earth not rotating on its axis.
- F) The Earth moving closer from the Sun.
- G) The Earth having multiple moons.
- H) The Earth not being tilted on its axis.

© B. Reincke, Copyright 2020

Q1

Station 5

Which of the following takes one year on Earth?

- A) The time it takes for Earth to make 24 rotations around the Sun.
- B) The time it takes for Earth to make one complete revolution around the Sun.
- C) The time it takes for Earth to make one complete revolution around the Moon.
- D) The time it takes for Earth to make one rotation around the Sun.

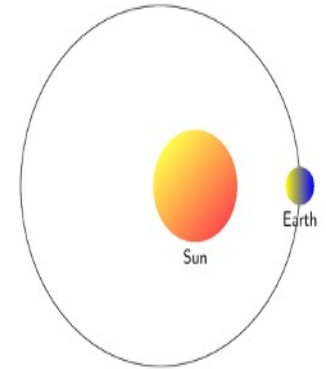
© B. Reincke, Copyright 2020

Q2

Station 5

The side of Earth facing the Sun is experiencing-

- E) night
- F) day
- G) seasons
- H) an eclipse



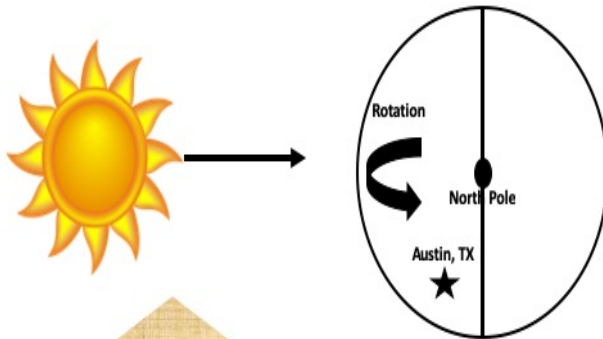
© B. Reincke, Copyright 2020

Q3

Station 5

The diagram shows the Earth rotating as it receives light from the Sun. What event is Austin, TX about to experience?

- J) sunrise
- K) sunset
- L) noon
- M) 9:00 am



© B. Reincke, Copyright 2020

Q4

Station 5

It's January and the northern hemisphere is currently tilted away from the Sun. What season is the southern hemisphere currently experiencing?

- P) winter
- Q) spring
- R) summer
- S) fall

© B. Reincke, Copyright 2020