4.E.3B.4 Seasonal Changes Indicator Assessment

Name: _____

1. How long does it take Earth to make one complete revolution around the Sun?

A. one day B. one month C. one week D. one year

2. A student makes a model to understand the seasons on Earth's Northern and Southern Hemispheres by placing a globe on a table and shining a flashlight on the globe, as shown. Which season does the student's model represent?

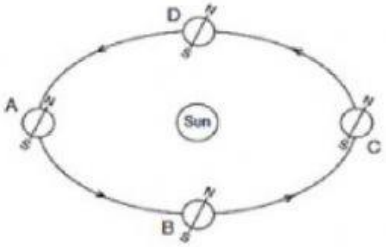
A. autumn in the Northern Hemisphere
B. autumn in the Southern Hemisphere
C. summer in the Northern Hemisphere
D. summer in the Southern Hemisphere

3. Which is <u>most responsible</u> for the different seasons on Earth?

A. the revolution around the Sun
B. the gravitational pull of the Moon and Sun
C. the rotation of Earth
D. the tilt of the Earth's axis

4. The diagram shows the Earth at four different positions in its orbit around the Sun. About how long does it take the Earth to move from position A to position C in the Earth's orbit around the Sun in the diagram?

A. 3 months
B. 6 months
C. 1 year
D. 2 years

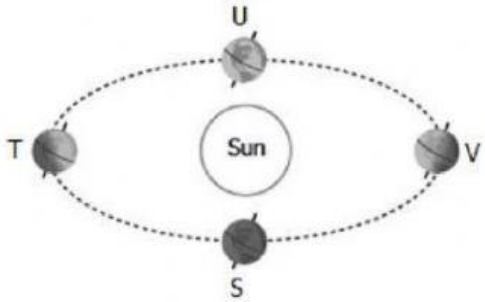


5. What is the correct sequence of seasons in the northern hemisphere?

A. spring, summer, fall, and winter
B. winter, fall, summer, and spring
C. summer, spring, fall, and winter
D. fall, summer, winter, and spring

6. The diagram shows Earth in different locations around the Sun. Which location represents Earth when it is winter in the Northern Hemisphere?

A. location S
B. location T
C. location U
D. location V



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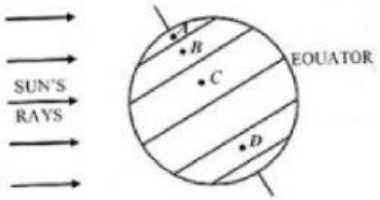
7. Which causes Earth's seasons?

A. The gravitational pull of the Moon as it revolves around Earth.
B. The rotation of Earth as it revolves around the Sun.
C. The gravitational pull of the Sun on Earth as it revolves around the Sun.
D. The tilt of Earth's axis as it revolves around the Sun.

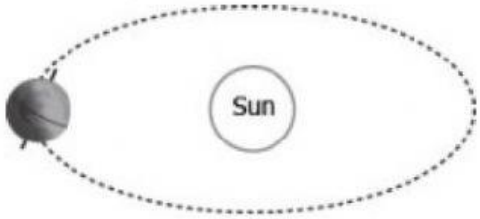
8. The diagram shows the Earth tilted toward the Sun and the Sun's rays hitting its surface. Which location on the Earth has the greatest number of daylight hours in this position?

A. Location A
B. Location B
C. Location C
D. Location D



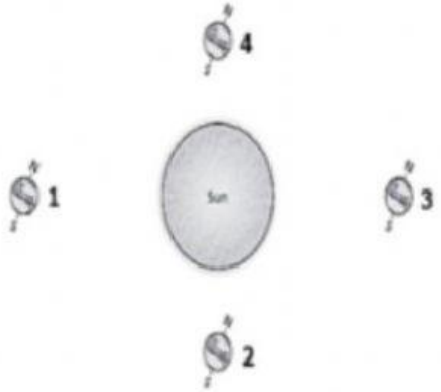
9. Dora studies the tilt in Earth's axis and its effect on seasons. She understands that for the current season in the northern hemisphere, the tilt in Earth's axis is most towards the Sun, as shown in the image. What is <u>the next season</u> in the Northern hemisphere?

A. fall
B. spring
C. summer
D. winter



10. The diagram shows four positions of Earth as it orbits around the Sun. In which position is Earth experiencing spring in the Northern Hemisphere?

A) position 1
B) position 2
C) position 3
D) position 4



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