

Our Changing Earth Pop Quiz #1

Read each question and all the possible answers. Choose the best answer.

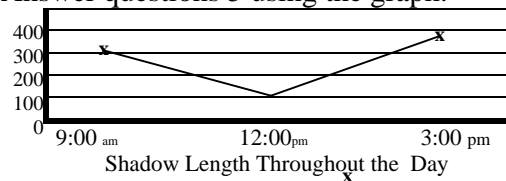
1. What causes day and night?
 - a. the Earth orbits around the sun
 - b. the moon and sun orbits the Earth
 - c. the rotation of the Earth on its axis
 - d. the rotation of the sun on its axis
2. What causes the seasons?
 - e. the rotation of the Earth on its axis
 - f. the Earth's speed around the sun
 - g. the Earth's distance from the sun
 - h. the orbit of the Earth around the sun

Answer questions 3 and 4 using the table.

	Length of shadows	Time of day	Position of sun
Morning	300 cm	9:00 am	East
Midday	100 cm	12:00 pm	North
Afternoon	395 cm	3:30 pm	West

3. When was the shadow the longest?
 - a. Morning
 - b. Midday
 - c. Afternoon
 - d. the shadow length did not change
4. When was the shadow the shortest?
 - e. Morning
 - f. Midday
 - g. Afternoon
 - h. the shadow length did not change

Answer questions 5 using the graph.



5. How long was the shadow at 3:00 pm?
 - a. 410 centimeters
 - b. 400 centimeters
 - c. 380 centimeters
 - d. 115 centimeters

6. What causes shadows to form?
 - e. Dark colors
 - f. Light gets blocked by an object
 - g. When light passes through objects.
 - h. The sun reflects off an object
7. How long does it take the Earth to make one complete rotation?
 - a. one day
 - b. 356 days
 - c. one month
 - d. one year
8. How long does it take the Earth to make one complete orbit around the sun?
 - a. one day
 - b. one week
 - c. 24 hours
 - d. one year
9. Where does the sun rise and set?
 - e. It rises in the west and sets in the east.
 - f. It rises in the east and sets in the west.
 - g. It rises in the north and sets in the east.
 - h. It rises in the east and sets in the south.
10. What kinds of energy come from the sun?
 - a. heat and water
 - b. water and light
 - c. electric and heat
 - d. heat and light
11. Predict what would happen to the temperature in a closed jar if you left one in the shade and one in full sun?
 - e. the jar in the shade would be warmer than the jar in the sun.
 - f. the one in the sun would be cooler than the one in the shade.
 - g. the jar in the shade would have the same temperature as the jar in the sun.
 - h. the jar in the sun would be warmer than the jar in the shade.