Name: _____

Date: _____ Grade: _____

SECTION QUIZ 9-1



Remember:
Score an average of 85% or higher on all three quizzes and you may be exempt from the chapter test!



Congratulations! You have completed this section!

Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 2.5 points.

1. The total time for the Earth to orbit around the Sun once is a _____.

2. The time span from the longest day to the next longest day is one _____.

3. A year of 360 days is too _____.

4. A building has its shortest shadow on the first day of: _____.
   (a) fall (b) spring (c) summer (d) winter

5. Seasons are caused by the: _____.
   (a) Moon
   (b) Earth being closer to the Sun
   (c) tilting of the Earth on its axis
   (d) global warming

6. During summer in the Northern Hemisphere the: _____.
   (a) days are shorter
   (b) it is usually cold
   (c) nights are longer
   (d) Northern Hemisphere is tilted toward the Sun

7. The first day of spring is the vernal _____.

8. The one that contains the most information is a(n): _____.
   (a) almanac (b) tide table (c) diary (d) calendar

9. Stonehenge is located in Chichén Itzá, Mexico.
   (a) True or (b) False

10. The 56 Aubrey holes were probably used to mark the cycle of: _____.
    (a) eclipses (b) Moon phases (c) meteors (d) sunspots

11. One advantage of the Egyptian concept of 360 days in a year was that it: _____ _____.
    (a) had mystical powers
    (b) had many other numbers that could divide it
    (c) was easier to remember
    (d) was divisible by ten

12. For a calendar to match the seasons, the number of days in a year must equal the time the Earth: _____.
    (a) goes around the Sun once
    (b) rotates on its axis
    (c) goes around the Sun
    (d) rotates around the four seasons

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13. The month August is named after: _____.
    (a) Augustus Von Cleburn (c) Caesar Augustus
    (b) Julius Caesar (d) King Herod

14. The expression 100 B.C. means 100 years _____.

15. A _____ is a complete cycle of the Earth going in its orbit around the Sun once.

16. A complete cycle of the Earth spinning on its axis once is a _____.

17. _____ means *related to the Sun*.

18. The time for the Moon to go around the Earth once is a: _____.
    (a) day (b) cycle (c) month (d) week

19. In early water clocks, as the container was emptied the water flowed more quickly.
    (a) True or (b) False

20. The purpose of an escapement is to: _____.
    (a) let the cuckoo bird out
    (b) catch and release gears
    (c) change the hours of a clock to match the hours of a sundial
    (d) release a hammer to strike a bell on the hour

21. The first clocks were regulated with: _____.
    (a) alternating currents (c) batteries
    (b) pendulums (d) quartz crystals

22. Since the days of Christiaan Huygens, hairsprings in watches have been made of stiffly coiled hog's hair.
    (a) True or (b) False

23. The Principle of the Pendulum states that the time for a pendulum to make a complete arc changes as the arc grows smaller.
    (a) True or (b) False

24. The fundamental unit for mass in the metric system is the _____.

25. The fundamental unit of length in the metric system is the _____.

26. The _____ units for length include the millimeter (1/1,000 meter) and the kilometer (1,000 meters).

27. The fundamental unit for time is the _____.

28. The day may be irregular in length because of: _____.
    (a) braking effects of tides (c) both a and b
    (b) melting of polar ice caps (d) neither of these

29. The distance north or south of the equator is the: _____.
    (a) latitude (b) longitude (c) altitude (d) attitude

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30. Longitude is found by comparing local time with the time at: _____.
    (a) St. Louis (c) the north pole
    (b) Greenwich, England (d) the equator

31. Every hour that local time differs from Greenwich time is _____ degrees longitude from Greenwich.

32. Government officials delayed giving John Harrison the longitude prize because they believed the clock did not keep the correct time.
    (a) True or (b) False

33. A very accurate and precise device to measure time is a: _____.
    (a) wrist watch (b) chronometer (c) diode (d) kinescope

34. An electric clock has a _____ electric motor that runs in step with the frequency of the electricity in the power line.

35. A modern watch is regulated by a: _____.
    (a) pendulum (b) quartz crystal (c) rock salt (d) regulator

36. *"The _____ will belong to those who do the most for suffering humanity."*

37. *"Change is not made without inconvenience, even from worse to _____."*

38. *"It is the supreme art of the _____ to awaken joy in creative expression and knowledge."*

39. *"It is good to remember that the teakettle, although up to its neck in hot water, continues to _____."*

40. *"The only place where _____ comes before work is in a dictionary."*