

Reading for the Real World 2 - Unit 8

Name _____

I. Vocabulary: Choose the best word to fill in the blank.

1. Socrates and Plato were two of the most influential _____ in history.
 - a. philosophers
 - b. physicists
 - c. astronomers
 - d. religions

2. Many TV shows _____ doctors as heroic.
 - a. realize
 - b. launch
 - c. predict
 - d. portray

3. According to my _____, sales will increase by almost 15% next year.
 - a. reservations
 - b. projections
 - c. shuttles
 - d. modules

4. As an 17-year-old, he was on the _____ of adulthood.
 - a. threshold
 - b. crisis
 - c. paradigm
 - d. estimation

5. Because of their experience, older people often have _____ that younger people lack.
 - a. motion
 - b. radiation
 - c. wisdom
 - d. velocity

II. Cloze Test

Questions 6 - 10

Thinkers like the Greek philosopher Aristotle questioned the _____ (6) _____ of a beginning [of the universe]. He believed the universe had existed and would exist forever, and was eternal and perfect. ... This made sense, as the _____ (7) _____ of the time was not advanced enough to observe any major changes. We learned much about the universe and Earth's place in it in the following _____ (8) _____, however. Then, in the 19th century, evidence began to challenge the idea that it is motionless and unchanging. At this time, several European physicists helped _____ (9) _____ the Second Law of Thermodynamics. This states that the total amount of _____ (10) _____, or disorder, of the universe always increases with time. Ordered structures, in other words, eventually fall apart, thereby increasing entropy.

6. a. necessity
b. collapse
c. acceleration
d. wisdom

9. a. predict
b. formulate
c. challenge
d. estimate

7. a. phenomenon
b. technology
c. universe
d. telescope

10. a. expansion
b. assumption
c. evidence
d. entropy

8. a. velocities
b. galaxies
c. centuries
d. religions

III. Reading Comprehension: Based on the reading in section II, put the information below into the correct columns.

<p>questioned the idea that the universe doesn't change</p> <p>11. determined that disorder increases</p> <p>12. believed the universe would last forever</p>	<p>13. believed the universe had no beginning</p> <p>14. developed the Second Law of Thermodynamics</p> <p>15. lacked advanced technology</p>
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Aristotle	19th-century Physicists
<p><i>questioned the idea that the universe doesn't change</i></p>	

IV. Word Study: Match the word to its definition.

- a. the distance between successive crests of a wave
- b. a theory or group of ideas
- c. the rate of increase in speed
- d. of or relating to heat
- e. collected knowledge and principles

- 16. paradigm ____
- 17. wavelength ____
- 18. wisdom ____
- 19. thermal ____
- 20. acceleration ____

V. Fill in the blank with the correct word.

valid acceleration wavelengths estimation shuttle

- 21. Visitors to the amusement park can take a(n) _____ to and from the parking lot.
- 22. Adeline thinks the project will take about two months to complete, but that is just a(n) _____.
- 23. If you have a(n) _____ reason for missing class, you will not be penalized.
- 24. Human beings cannot hear sounds at very high _____.
- 25. Due to the sudden, quick _____ of the train, we were thrown back in our seats.

1	2	3	4	5
a	d	b	a	c
6	7	8	9	10
a	b	c	b	d
11	12	13	14	15
19th-century Physicists	Aristotle	Aristotle	19th-century Physicists	Aristotle
16	17	18	19	20
b	a	e	d	c
21	22	23	24	25
shuttle	estimation	valid	wavelengths	acceleration