**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.
   1. philosophers
   2. physicists
   3. astronomers
   4. religions
2. Many TV shows \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ doctors as heroic.
   1. realize
   2. launch
   3. predict
   4. portray
3. According to my \_\_\_\_\_\_\_\_\_\_\_\_, sales will increase by almost 15% next year.
   1. reservations
   2. projections
   3. shuttles
   4. modules
4. As an 17-year-old, he was on the \_\_\_\_\_\_\_\_\_\_\_\_ of adulthood.
   1. threshold
   2. crisis
   3. paradigm
   4. estimation
5. Because of their experience, older people often have \_\_\_\_\_\_\_\_\_\_\_\_ that younger people lack.
   1. motion
   2. radiation
   3. wisdom
   4. 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 9. a. predict

b. collapse b. formulate

c. acceleration c. challenge

d. wisdom d. estimate

7. a. phenomenon 10. a. expansion

b. technology b. assumption

c. universe c. evidence

d. telescope 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.**

|  |  |
| --- | --- |
| ~~questioned the idea that the universe doesn’t change~~   1. determined that disorder increases 2. believed the universe would last forever | 1. believed the universe had no beginning 2. developed the Second Law of Thermodynamics 3. lacked advanced technology |

|  |  |
| --- | --- |
| **Aristotle** | **19th-century Physicists** |
| *questioned the idea that the universe doesn’t change* |  |

**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

1. paradigm \_\_\_
2. wavelength\_\_\_
3. wisdom \_\_\_
4. thermal \_\_\_
5. acceleration \_\_\_

### **V. Fill in the blank with the correct word.**

|  |
| --- |
| valid acceleration wavelengths estimation shuttle |

1. Visitors to the amusement park can take a(n)\_\_\_\_\_\_\_\_\_\_\_\_ to and from the parking lot.
2. Adeline thinks the project will take about two months to complete, but that is just a(n) \_\_\_\_\_\_\_\_\_\_\_\_.
3. If you have a(n) \_\_\_\_\_\_\_\_\_\_\_\_ reason for missing class, you will not be penalized.
4. Human beings cannot hear sounds at very high \_\_\_\_\_\_\_\_\_\_\_\_.
5. 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 |