

Quiz #1: Textbook Reading pages 2-9

1. The first section talks about the importance of the ozone layer around the earth. What element makes up the ozone layer?
 - A. hydrogen
 - B. helium
 - C. oxygen
 - D. nitrogen
 - E. carbon
2. In what part of the world does the ozone layer appear to have thinned to the point where it is measurably different from the rest of the world?
 - A. North America
 - B. Africa
 - C. Europe
 - D. Russia
 - E. Antarctica
3. Which of the following is FALSE about CFCs?
 - A. Stands for chlorofluorocarbon
 - B. Man-made (synthesized in the lab)
 - C. Stable
 - D. Non-toxic
 - E. Help to increase the production of ozone
4. Matter is defined as anything that:
 - A. exists in nature
 - B. is solid to the touch
 - C. is found in the universe
 - D. has mass and takes up space
5. During what general time frame did scientists determine that the ozone layer was thinning in certain parts of the stratosphere?
 - A. 500 BC
 - B. Early 1800's
 - C. 1980's
 - D. 5 years ago
6. Which of the following is an example of pure research?
 - A. creating synthetic elements to study their properties
 - B. producing heat resistant plastics for use in home ovens
 - C. finding ways to slow down the rusting of iron ships
 - D. searching for fuels other than gasoline to power cars
7. If your weight is 120 pounds and your mass is 54 kilograms, how would these values change if you were on the moon?
 - A. weight increases, mass increases
 - B. weight decreases, mass stays the same
 - C. weight decreases, mass increases
 - D. weight increases, mass stays the same
 - E. weight stays the same, mass decreases
8. Why does chemistry involve the study of changes that take place at the submicroscopic level?
 - A. particles of matter are so small
 - B. particles of matter are so large
 - C. changes that take place don't really occur
 - D. the ozone layer is really not a "hole" but a "thinning"
 - E. only C and D above