Name	Class	Date	
Assessment			
Quiz			

## **Section: The Way Science Works**

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

 1. Scientific methods a. are a general description of sci b. are used to find and evaluate p c. use critical thinking to solve so d. All of the above	oossible answers to problems.
 <ul><li>2. A tool used to break light into a r</li><li>a. radio telescope.</li><li>b. particle accelerator.</li></ul>	cainbowlike spectrum is the c. spectroscope. d. telescope.
<ul><li>3. Which tool would a scientist use an atom?</li><li>a. radio telescope</li><li>b. particle accelerator</li></ul>	to find information on the structure of  c. spectroscope d. telescope
 <ul><li>4. SI is considered a consistent systema. is used worldwide.</li><li>b. uses derived units.</li></ul>	em because it c. dates back to 1795. d. has seven base units.
 5. Which unit is used to measure the a. kelvin b. meter	e height of a bookcase? c. kilogram d. mole
 6. Which unit is used to measure the a. kelvin b. meter	e mass of a computer? c. kilogram d. mole
 7. Convert 1,250 millimoles to mole a. 125 mol b. 12.5 mol	es. c. 1.25 mol d. 0.125 mol
 <ul><li>8. Most scientific questions are deve</li><li>a. research.</li><li>b. investigation.</li></ul>	eloped from c. observations. d. forming a hypothesis.
 <ul><li>9. After formulating a question, the</li><li>a. to research and collect data.</li><li>b. to perform an experiment.</li></ul>	next step of the scientific method is c. to test a hypothesis. d. to state a conclusion.
 _ 10. Critical thinking a. is based on facts. b. uses logic.	<ul><li>c. uses observations.</li><li>d. All of the above</li></ul>