## Ch 4 Types of Minerals: Section 2 Guided Reading

Predict what you will learn in Section 2. Read the title of the section. Write three ways that you might be able to identify a mineral. 1. \_\_\_\_\_ 2. Use your text to define each term. Chemical Bond Silicates \_\_\_\_\_ Tetrahedron SYNTHESIZE -Compare and contrast minerals and elements.

Organize information about mineral identification by completing the outline below. Pages 90-95

I.	Luster	
	A.	Caused by
	B.	Described as or
TT		
11.		rdness
	A.	Defined as
	B.	Measured according to
III. Cleavage and Fracture		avage and Fracture
111		Determined by
	1 1,	
		1. A mineral has cleavage if
		2. A mineral has fracture if
***	<b>a</b> .	
IV. Streak		
	A.	Defined as
	B	Used only if
V.	Co	or
	A.	Caused by
	B.	Milky appearance can be due to
VI. Special properties		ocial properties
V 1.	-	Defined as
	11.	Defined us
	B.	Described as,,,
		,,,
VII. Density and Specific Gravity		nsity and Specific Gravity
		Density is a ratio of
	B.	Density is useful because
	C.	Specific gravity is ratio of

Draw three ways that silicon-oxygen tetrahedra can combine. Circle the diagram that shows how mica, which splits easily into sheets, would bond.
Identify why gems are more valuable than other kinds of minerals.
Describe what factors would have to change for a mineral to be considered an ore.