I. Written questions. (must be answered for the paper to be graded). 1. Geology will of streams, mountains, earthquakes, etc; meteorology will deal with weather, storms, etc with the earth as an astronomical body, changes in daylight and seasons, eclipses, etc.	e.; astronomy will deal c. Write two or three
sentences and/or questions about one of these areas that you wonder about or are	interested in. [0.5]
2. Write a sentence which is a <u>true</u> conclusion for the statements below (assume A and A– Apples are a healthy food to eat. B–The object in my hand is a "Golden Delicious" apple	B are true).
C	[0.3]
3. Imagine (and note below) at least one instance where your C would not be true. [0.2]	2]
11. Short answers. Place the answer (a single letter, as decribed in each question) on in matching questions, any answer may be used more than once, or not at all. [1.0]	
1. Which choice shows the two most common elements in earth's crust with most first and second most common element listed second? A. Fe and Al B. O and C C. Si and O D. Si and Fe H. O and Si. 2. The element in this list is A. CO B. NH ₃ C. KF D. Kr N. none 3. The compound in this list is A. N B. I C. Ni D. CO N. none is a	N. none of these is an element
4. Which if any of these statements is NOT true of minerals? A. they are solid C. they are naturally occurring H. they have definite B. they are mixtures D. they have a fixed composition J. all are true N. no 5. Which if any of these is NOT a physical property of minerals?	e properties
A. streak B. color C. fracture D. crystal form H. hardness J. shape K.	. all are N. none is
6. The color of a mineral's scratch on a white porcelain plate is the property know	wn as
A. color B. scratch C. streak D. two of these H. none of these	
7. The property known as "crystal structure" refers to:	
A. the mineral's color B. the mineral's shinyness C. the internal arangement of atoms H. how a mineral breaks along crystal J. the color of a mineral's scratch	lines
of the mineral's crystals D. which other minerals a certain mineral can scratch N. none of	thoop
	tnese
There are hundreds, or perhaps even thousands, of minerals. 8. An unknown mineral (not one on Mohs list) is known to have a hardness of 3 mineral would scratch it? (refer to the Mohs hardness scale at right).	3.8 . Which one of these
A. gypsum B. apatite C. calcite D. all of them N. none of them	Mohs_hardness scale
9. Another unknown mineral (also not on Mohs list) is found to be harder than (will scratch) fluorite but softer than (won't scratch) quartz. The unknown mineral: A. is softer than calcite B. is harder than fluorite C. has a hardness # lower than "6" on the Mohs scale	10-Diamond hard 9-Corundum 8-Topaz 7-Quartz 6-Potassium feldspar 5-Apatite 4-Fluorite
D. has a hardness # higher than "7" on the Mohs scale H. two of these N. none of them	3-Calcite 2-Gypsum 1-Talc soft

I. Written questions. (must be answered for the paper to be graded). 1. Geology will of	deal with things such as
streams, mountains, earthquakes, etc; meteorology will deal with weather, storms, etc with the earth as an astronomical body, changes in daylight and seasons, eclipses, etc sentences and/or questions about one of these areas that you wonder about or are	e.; astronomy will deal c. Write two or three
semences anator questions about one of these areas that you wonder about or are	interested in. [0.3]
2. Write a sentence which is a <u>true</u> conclusion for the statements below (assume A and	B are true).
A– Apples are a healthy food to eat. B–The object in my hand is a "Golden Delicious" apple	
<u>C</u>	[0.3]
3. Imagine (and note below) at least one instance where your C would not be true. [0.2]	<u>. </u>
II Shout answers Place the grouper (a single letter as despited in each question) on	the line at left. Note that
11. Short answers. Place the answer (a single letter, as decribed in each question) on in matching questions, any answer may be used more than once, or not at all. [1.0]	/question for this quiz]
1. Which choice shows the two most common elements in earth's crust with most first and second most common element listed second?	st common element listed
J. Fe and Al L. O and C M. Si and O S. Si and Fe T. O and Si.	X. none of them
2. The <u>element</u> in this list is J. CO K. NH ₃ L. KF M. Kr	X. none of them
3. The <u>compound</u> in this list is J. N L. I M. Ni S. CO	X. none of them
4. Which if any of these statements is NOT true of minerals?	
K. they are solid M. they are naturally occurring T. they have definite	
L. they are mixtures S. they have a fixed composition V. all are true X. no 5. Which if any of these is NOT a physical property of minerals?	one is true
L. streak M. color P. fracture S. crystal form T. hardness V. shape W	all are Y none is
6. The color of a mineral's scratch on a white porcelain plate is the property known	
K. color L. scratch M. streak S. two of these X. none of these	WII US
7. The property known as "crystal structure" refers to:	
K. the mineral's color T. how a mineral breaks along crystal	lines
L. the mineral's shinyness V. the color of a mineral's scratch	
M. the internal arangement of atoms of the mineral's crystals	
S. which other minerals a certain mineral can scratch X. none of	these
There are hundreds, or perhaps even thousands, of minerals.	
8. An unknown mineral (not one on Mohs list) is known to have a hardness of 3	8.8 . Which one of these
mineral would scratch it? (refer to the Mohs hardness scale at right).	
K. gypsum L. apatite M. calcite S. all of them X. none of them	Mohs hardness scale 10-Diamond hard
9. Another unknown mineral (also not on Mohs list) is found to be harder than (will scretch) fluorite but softer than (won't scretch) quartz. The unknown mineral:	9-Corundum ▲
(will scratch) fluorite but softer than (won't scratch) quartz. The unknown mineral: K. is softer than calcite	8-Topaz 7-Quartz
L. is harder than fluorite	6-Potassium feldspar
M. has a hardness # lower than "6" on the Mohs scale	5-Apatite 4-Fluorite
S. has a hardness # higher than "7" on the Mohs scale T. two of these	3-Calcite ♥
X. none of them	2-Gypsum 1-Talc soft