

8T Assignment #4: Rocks

Name: _____

1. Name igneous rock sample #1: _____

Did this rock cool **quickly** or **slowly** (*circle one*)? How do you know?

What else can you say about how this rock formed and what did you see in the rock that told you this?

2. Name igneous rock sample #2: _____

Did this rock cool **on the surface** of the Earth or **deep underground** (*circle one*)?

How do you know – what did you observe that told you this?

3. Name sedimentary rock sample #3: _____

Where was the sediment in this rock deposited?

How do you know – what did you observe in the rock that gives you a clue to where it was deposited? *Be sure to explain the connection between your observation and the environment of deposition.*

4. Name sedimentary rock sample #4: _____

What is this rock made of *and* how do you know that (what test did you perform)?

What do you think that this rock would turn into if metamorphosed? **Explain your choice.**

5. Name metamorphic rock sample #5: _____

What mineral is this rock made out of?

What could have been the parent rock of this metamorphic rock?

6. Name metamorphic rock sample #6: _____

What was the parent rock of this metamorphic rock?

At what temperature of metamorphism did this rock form (**low, medium, or high**)?

Is this rock **foliated** or **non-foliated** (*circle one*)? What does this tell you about how this rock formed?

7. Which norm were you assigned to work on today? (*circle one*)

paraphrasing pausing probing for specificity presuming positive intentions

Reread what the purpose of your norm is (see the handout you read).

How did you do?	
What worked and what didn't work as you tried to apply this norm?	
Did it help, hinder, or have no effect on productive group work? (clarify)	