

LAB EXERCISE 5 - METAMORPHIC ROCK IDENTIFICATION

Name:	Course ID:
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During this lab you are required to positively identify by name all metamorphic rocks given to you by your instructor and/or metamorphic sample sets using the procedure described under CLASSIFICATION AND NAMING OF METAMORPHIC ROCKS, using table 4.2. You will complete the provided blank Metamorphic Rock ID Exercise Table in conjunction with your testing.

Materials needed:

- Professional Rock / Mineral Identification Kit (See above for ordering information)
- Set of Metamorphic Rocks included in the kit above
- Handlense included in kit.
- Table 4.2
- Metamorphic Rock ID exercise table

Procedure:

1. Pick an unknown Metamorphic Rock sample from your kit (write down sample number or letter, if applicable). Follow the outline given under CLASSIFICATION AND NAMING OF METAMORPHIC ROCKS, especially in conjunction with table 4.2. Write down the results in the blank Metamorphic Rock ID Exercise Table as you go.
2. Use two colors to complete the table. Mark in blue all the values you have obtained by your own measurements or observations. Write in black everything you have researched, copied or otherwise obtained by looking it up.
3. The fields above the "*METAMORPHIC ROCK NAME*" row should be completed using ONLY OWN OBSERVATIONS / MEASUREMENTS.
4. The fields below the "*METAMORPHIC ROCK NAME*" row should be completed using RESEARCH.

METAMORPHIC ROCK ID EXERCISE TABLES

Name: _____

Complete using 2 colors. Mark your own measurements in blue. Mark researched or copied values in **black!**

PASTE METAM. ROCK SAMPLE from KIT HERE: <i>(clear scotch tape)</i>								
Foliation: <i>foliated or non- foliated</i>								
Texture: <i>as presented in the table</i>								
Minerals: <i>list as many as you can identify and their estimated %</i>								
META- MORPHIC ROCK NAME:								
Research	Most likely temp.:							
	Most likely depth / pressure:							
	Most likely protolith (source rock):							

Make additional copies of this page if needed.