

NAME: _____

Student No: _____

ERSC 2P12 – Term Test
Friday October 8, 2004

Answer all questions on the examination paper. Point form is acceptable and include sketches where appropriate. Each question is of equal value – total marks 40.

1) List three minerals that you would expect to find in each of the following rocks:

Granite

Andesite

Phyllite

Gneiss

2) Define each of the following terms:

protolith

batholith

viscosity

schistosity

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3) Minerals are divided into 3 different groups, important to humans. Identify each group state why they are important or their uses, and give an example of each:

a)

b)

c)

4) Name and briefly describe the three types of material produced as a result of volcanic eruptions:

a)

b)

c)

5) Name and define the criteria that distinguish a metamorphic rock from and igneous or sedimentary rocks.

a)

b)

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6) What four criteria are used to define a geologic province?

a)

b)

c)

d)

7) Describe 2 of the 4 processes by which a metamorphic rock may develop a preferred orientation.

8) Simply list **FIVE** physical properties used in the identification of minerals and give a detailed explanation of **ONE** of the five properties.

a)

b)

c)

d)

e)

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9) Define Magma. List the factors that effect the rate of cooling for plutonic rocks.

10) Rocks, whether igneous, metamorphic or sedimentary, can be distinguished using FOUR physical properties. What are these properties?

a)

b)

c)

d)