GLY 4310 Name

February 18, 2020

**Take Home Quiz # 3**

Take home quizzes are due at the beginning of the following lecture. They are worth 2 points of EXAM credit. Please attach this sheet to your answers if additional sheets are used.

Sections 4.2.3 and 4.2.4 of the text contain information relevant to these questions.

1. The border zone between a pluton and country rock can reveal considerable information.

Describe the factor that influences border zones, and the effects seen in different environments of emplacement.

2. Plutons may be categorized as:

A. Pre-tectonic

B. Syn-tectonic

C. Post-tectonic

What type(s) of imprint does an orogenic episode create on each type? What rock characteristics are expected in each case, at any scale? Where will deformation be seen?