**Lab: Classifying Rocks** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_

**Prelab Questions (Read Lab Background Information):**

1. List **THREE** physical properties that help to identify a given rock sample as a sedimentary rock?
2. List **THREE** physical properties that help to identify a given rock sample as a igneous rock?
3. List **THREE** physical properties that help to identify a given rock sample as a metamorphic rock?

**Observations: For the descriptions, include properties listed in 1-3 above used to ID it.**

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| **Sample #** | **Type of Rock** | | | **Description, Include the following:**   1. If IG, list ALL of the following:    1. Intrusive vs. Extrusive?    2. High Silicon/Oxygen or High Iron/Magnesium?    3. High viscosity or Low viscosity magma? 2. If SED: most common, organic, chemical? 3. If META: Foliated or non-foliated? |
| SED | IG | META |
| Example |  | **√** |  | Coarse grained sparkling grains. NOT in bands. Light color. \*\*Intrusive, high silicon/oxygen, high viscosity |
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**Critical Thinking and Application**

1. A fossil is the remains or evidence of a living thing. Explain why fossils are rarely found in igneous or metamorphic rock:
2. Why might metamorphic rocks show signs of bending and distortion?
3. Why might metamorphic rocks be more likely to show bands of color than igneous rocks?