**GOL 106 Igneous Rocks Identification Worksheet**

Determine the composition, texture, and cooling history to classify the following igneous rocks, and indicate whether the rock likely formed in a continental or oceanic setting.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Composition** | **Texture** | **Cooling** | **Rock Classification** | **Environment** |
| 1. |  |  |  |  |
| 2. |  |  |  |  |
| 3. |  |  |  |  |
| 4. |  |  |  |  |
| 5. |  |  |  |  |
| 6. |  |  |  |  |
| 7. |  |  |  |  |
| 8. |  |  |  |  |
| 9. |  |  |  |  |
| 10. |  |  |  |  |
| 11. |  |  |  |  |
| 12. |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Composition** | **Texture** | **Cooling** | **Environment** |
| Felsic Intermediate Mafic | Pegmatitic Phaneritic Aphanitic Glassy Vesicular Pyroclastic | Slow Rapid | Continental  (convergent plate boundary)  Oceanic (divergent plate boundary/hot spot) |