|  |  |
| --- | --- |
| **9.** |  |
|  | |  |  | | --- | --- | | Lahars, pyroclastic flows, and volcanic landslides are all hazards at \_\_\_\_\_\_. | | |  | | | |  | **Student Response** | **Correct Answer** | | --- | --- | --- | | A. | Kilauea |  | | B. | Hekla, Iceland |  | | C. | Paricutin |  | | **Student Response D.** | **Mount Rainier** | Student Response | | E. | Mauna Kea |  | | | | Score: | 1/1 | |  | | |
| **10.** |  |
|  | |  |  | | --- | --- | | Compared to lava, magma of the same chemical composition is \_\_\_\_\_\_. | | |  | | | |  | **Student Response** | **Correct Answer** | | --- | --- | --- | | **A.** | **hotter** | Student Response | | B. | more viscous |  | | C. | crystalline |  | | Student Response D. | more silica-rich |  | | E. | glassy |  | | | | Score: | 0/1 | |  | | |
| **11.** |  |
|  | |  |  | | --- | --- | | An igneous rock with a coarse-grained interlocking texture of crystals is called \_\_\_\_\_\_. | | |  | | | |  | **Student Response** | **Correct Answer** | | --- | --- | --- | | A. | extrusive |  | | B. | pyroclastic |  | | **Student Response C.** | **intrusive** | Student Response | | D. | volcanic |  | | E. | obsidian |  | | | | Score: | 1/1 | |  | | |
| **12.** |  |
|  | |  |  | | --- | --- | | Compared to mafic magma, silicic magma is \_\_\_\_\_\_. | | |  | | | |  | **Student Response** | **Correct Answer** | | --- | --- | --- | | A. | hotter, less viscous, and more gas-rich |  | | **Student Response B.** | **cooler, more viscous, and more gas-rich** | Student Response | | C. | hotter, more viscous, and less gas-rich |  | | D. | cooler, less viscous, and less gas-rich |  | | E. | hotter, more viscous, and more gas-rich |  | | | | Score: | 1/1 | |  | | |
| **13.** |  |
|  | |  |  | | --- | --- | | Which of the following does NOT influence a volcano’s explosivity? | | |  | | | |  | **Student Response** | **Correct Answer** | | --- | --- | --- | | A. | temperature of the molten material |  | | B. | silica composition |  | | C. | gas content |  | | D. | viscosity |  | | **Student Response E.** | **ash content** | Student Response | | | | Score: | 1/1 | |  | | |
| **14.** |  |
|  | |  |  | | --- | --- | | Which of the statements about composite volcanoes are TRUE? | | |  | | | |  | **Student Response** | **Correct Answer** | | --- | --- | --- | | **A.** | **Mount St. Helens is a composite volcano that can erupt magmas with the entire possible**  **range of silica contents.** | Student Response | | Student Response B. | Mount Rainier is a composite volcano that erupts only andesites. |  | | C. | An example of a composite volcano that erupts both mafic and felsic magmas is Kilauea. |  | | D. | A composite volcano such as Long Valley erupts only pyroclastic flows and the occasional dome. |  | | E. | A composite volcano such as Mauna Loa commonly erupts basalt flows and scoria. |  | | | | Score: | 0/1 | |  | | |