

Answer Key

Igneous_rx_pre_test

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|---|--|--|
| <p>1. <u>1</u></p> <p>2. <u>4</u></p> <p>3. <u>3</u></p> <p>4. <u>4</u></p> <p>5. <u>1</u></p> <p>6. <u>2</u></p> <p>7. <u>4</u></p> <p>8. <u>3</u></p> <p>9. <u>2</u></p> <p>10. <u>3</u></p> <p>11. <u>1</u></p> <p>12. <u>2</u></p> <p>13. <u>1</u></p> <p>14. <u>2</u></p> <p>15. <u>1</u></p> <p>16. <u>4</u></p> <p>17. <u>1</u></p> <p>18. <u>2</u></p> <p>19. <u>3</u></p> <p>20. <u>3</u></p> <p>21. <u>4</u></p> <p>22. <i>Examples: – plagioclase feldspar – potassium feldspar (orthoclase)</i></p> | <p>23. — Large crystals form from slow cooling deep underground. — The crystals in syenite formed in an intrusion or an intrusive environment. — The texture is coarse. — Syenite formed by solidification of magma. — Large interlocking crystals — Syenite formed inside of Earth.</p> <p>24. Examples: melting and solidification; melting and crystallization; cooling and crystallization</p> <p>25. Acceptable responses include, but are not limited to, these examples: coarse; nonvesicular; large grains; big crystals</p> <p>26. Mineral <i>A</i> — potassium feldspar <i>or</i> orthoclase; Mineral <i>B</i> — plagioclase feldspar <i>or</i> Na–Ca feldspar; Mineral <i>C</i> — quartz</p> <p>27.</p> | <p>30. –melting –cooling –solidification/cr-</p> <p>31. vesicular basalt <i>or</i> scoria</p> <p>32. <u>1</u></p> <p>33. 1mm to 10 mm</p> <p>34. Responses include, but are not limited to: obsidian; basaltic glass; pumice; vesicular basalt glass.</p> <p>35. Responses include, but are not limited to: <i>A</i> is slower cooling than <i>B</i>; <i>B</i> is faster cooling than <i>A</i>; Intrusive rock forms from molten rock that cools slowly; Extrusive rock forms from molten rock than cools rapidly.</p> <p>36. fine grained (crystals less than 1 mm) glassy texture vesicular texture dark colored mafic (high Fe and Mg content) high density (3.0 g/cm³) mineral composition: plagioclase feldspar pyroxene olivine amphibole</p> |
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Characteristic of Granite	Description
Texture	coarse nonvesicular 1 mm to 10 mm
Color	light colored white pink gray
Density	low 2.7 g/cm ³

28. diorite
29. –silicon *or* Si
–oxygen *or* O
–aluminum *or* Al

IMPORTANT NOTE (!):

The answer key shown on this page does not include full sentences, nor does it describe the importance of including nouns in ALL of your responses to constructed response questions. Therefore, you should "grade yourself" on the understanding that ALL constructed response questions should include: full sentences, a restating of the question, and subject nouns (NOT pronouns) throughout your answer.