

CLASS IV.

Alluvial Rocks.

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| 1. Peat. | 5. Nagelfluh. |
| 2. Sand and Gravel. | 6. Calc-tuff. |
| 3. Loam. | 7. Calc-finter. |
| 4. Bog Iron-ore. | |

CLASS V.

Volcanic Rocks.

* Pseudo-Volcanic Rocks.

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| 1. Burnt-Clay. | 4. Columnar Clay-Ironstone. |
| 2. Porcelain-Jasper. | 5. Polier, or Polishing Slate. |
| 3. Earth-Slag. | |

** True Volcanic Rocks.

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| 1. Ejected Stones and Ashes. | 3. The matter of Muddy Eruptions. |
| 2. Different kinds of Lava. | |

CHAP. VI.

CLASS I.—PRIMITIVE ROCKS.

Urgebirge.—Werner.

48. **T**HE rocks belonging to this class are the oldest parts of the crust of the globe. They are principally composed of siliceous and argillaceous earths: magnesian earth also occurs, but principally in the newer rocks of this class. When they occur with any of the other four classes of rocks,