

Transition-Trap.

Uebergangs Trap.—*Werner*.

This rock appears to be older than grey-wacke, and in some degree connected with transition-limestone. It is intermediate between primitive and floetz trap. It contains greenstone and amygdaloid. The greenstone is less crystalline than the primitive, but more crystalline than the floetz greenstone. It is seldom porphyritic. The amygdaloid approximates it to the newest floetz-trap formation, from which, however, it is distinguished by the absence of porphyry-flate, grey-stone, basalt, gravel, sand, clay and loam.

We have principally two rocks in this formation to make ourselves acquainted with, namely, *Greenstone* and *Amygdaloid*.

1. *Transition-Greenstone*. This is a fine granular mixture of hornblende and felspar; and sometimes the mixture is so intimate, that the constituent parts are not to be distinguished. Quartz sometimes traverses it in the form of veins, or is diffeminated through it; a character which distinguishes it from floetz-greenstone, which rarely contains quartz. Sometimes it occurs in globular distinct concretions, and these again of curved lamellar concretions, forming the Globular Rock (Kugelfels) of Voigtland. Sometimes it is penetrated with reddish-brown oxide of iron, which, combined with the dark green colour of the hornblende, gives

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