

## ORDER VIII.—TITANIUM.

THIS Order contains six species, viz. Menachanite, Iserine, Nigrine, Sphene, Rutile, and Octahedrite\*.

## 1. Menachanite.

Menacan, *Werner*.

Menachanite, *Kirw.* vol. ii. p. 326.—Le Menakanite, *Broch.* t. ii. p. 468.—Titane oxidé ferrifere granuliforme, *Haüy*, t. iv. p. 306.—Manacan, *Reuss*, b. iv. s. 54. *Id. Lud.* b. i. s. 305. *Id. Mohs*, b. iii. s. 452. *Id. Leonhard*, Tabel. s. 81.—Titane Menakanite, *Brong.* t. ii. p. 99.—Manakan, *Karsten*, Tabel. s. 74.—Menachanite, *Kid*, vol. ii. p. 224.—Titane oxidé ferrifere, *Haüy*, Tabl. p. 116.—Titaneisenstein, *Haus.* Handb. b. i. s. 251.—Menachanite, *Aikin*, p. 67.

*External Characters.*

Its colour is greyish-black, inclining to iron-black.

It occurs only in very small flattish angular grains, which have a rough glimmering surface.

Internally it is glistening and glimmering, and the lustre is adamantine, passing into semi-metallic.

The fracture is imperfect foliated, approaching to slaty.

The fragments are indeterminate angular and sharp-edged.

It is perfectly opaque.

It yields to the knife, but is not so hard as nigrine.

It is brittle.

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\* The best account in the English language of the minerals of this Order, is that of Dr Mitchell, in the Transactions of the Royal Irish Academy.