

it may be that the granitic and trappean veins and dykes are connected with the molten interior of the earth. It is possible, indeed, to conceive that a bed of stratified rock may be converted into one unstratified by heat and water permeating upward through a subjacent bed which is not so changed; in which case we should have granite and trap independent of the molten interior. But the records of geology give us few examples of this kind, and the presumption, therefore, is, that the unstratified rocks require for their production a more powerful metamorphic action than could be communicated through any other rock, without producing a correspondent change in that also.

Alluvium.	
Tertiary.	Eocene Flysch changed into Mica Schist, Gneiss and Protogine.
Chalk.	Into crystalline Limestone.
Oolite.	Lias into Mica and Talcose Schists, and Gneiss.
Trias.	
Permian.	
Carboniferous.	Into Talcose Schist and Gneiss.
Devonian.	Into Clay Slate, Talcose Schist, Calciferous Mica Schist, Gneiss and Granite.
Upper Silurian.	
Lower Silurian.	Into Mica Schist, Talcose Schist, Gneiss and Azole Limestone.
Cambrian.	Into Mica and Chlorite Schist, and Gneiss
Hypozoic.	
Granitic.	