

Summarizing, then, the latest science analytically, we see in living matter, —

17. That the bioplasts are a colorless, viscid, and apparently structureless substance, and the same in all animals.

18. That they throw off the formed material, so that it constitutes nerve, brain, muscle, artery, vein, bone, and all the mechanism of the organism.

19. That, although of the same chemical composition in the eggs of the different animals, they weave tissues such as to produce the different plans of these animals.

20. That their action involves, therefore, both the formation of tissues and their growth according to the needs of the animal.

21. That it involves the production of all those structures, which, in animal and vegetable organisms, exhibit an adaptation of means to ends.

22. That it involves the co-ordination of tissues, secretions, and deposits in the organism.

23. That the plan of the whole organism is necessarily taken into view from the first stroke of the shuttles of the bioplasts that weave it.

Tennyson sings with an emphasis of far-reaching thought: —

“ Flower in the crannied wall,
 I pluck you out of the crannies ;
 Hold you here in my hand,
 Little flower, root and all.
 And if I could understand
 What you are, roots and all, and all in all,
 I should know what God and man is.”