

formed at the expense of the more superficial protoplasm of the cells."

The structures characteristic of the tissues! What a smooth phrase that is, for the infinity of design in the human constitution, bone, nerve, artery, muscle, and all that makes a plant a plant, or an animal an animal!

9. "When nucleated cells divide, the division of the nucleus, as a rule, precedes that of the whole cell."

10. "Independent living forms may present but little advance from an individual mass of protoplasm."

11. "All the higher forms of life are aggregates of such morphological units or cells, variously modified" (HUXLEY, PROFESSOR T. H., *Encyc. Brit.*, ninth edition, *Biology*, pp. 681, 682).

12. "The protoplasm of the germ may not undergo division and conversion into a cell aggregate; but various parts of its outer and inner substance may be metamorphosed directly into those physically and chemically different materials which constitute the body of the adult."

13. "The germ may undergo division, and be converted into an aggregate of cells, which give rise to the tissues by undergoing a metamorphosis of the same kind as that to which the whole body is subjected in the preceding case" (*Ibid.*, p. 682).

14. "Sustentative, generative, and correlative functions in the lower forms of life are exerted indifferently, or nearly so, by all parts of the protoplasmic body."