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STEM CELLS: CELLS THAT RETAIN THE ABILITY TO TRANSFORM AND DIFFERENTIATE INTO VARIOUS CELL TYPES. WE CAN NOW GET STEM CELLS FROM CELLS IN THE SKIN, MUSCLE AND ALMOST ANY PART OF THE BODY.

**3D SCAFFOLD:** IT IS A 3D STRUCTURE MADE OF BIOMATERIALS, AND WHERE CELLS CAN FORM TISSUES.

**BIOMATERIALS:** SET OF MATERIALS THAT CAN BE USED IN OUR BODY WITHOUT PUTTING OUR HEALTH AT RISK.

30 BIO PRINTER: IT IS A PRINTER THAT COMBINES CELLS AND SUBSTANCES THAT STIMULATE CELL GROWTH ALONG WITH BIOMATERIALS THAT MIMIC THE CHARACTERISTICS OF NATURAL TISSUE AS MUCH AS POSSIBLE. GENERALLY, 3D BIOPRINTING USES THE 'LAYER BY LAYER' METHOD TO DEPOSIT MATERIALS KNOWN AS 'BIOTINTS' TO CREATE TISSUE-LIKE STRUCTURES.



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