

class Test -1

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Section: c

Course code: BIO 3105

Ans 1

Energy processing feature,

processing

↓
Gasification

↓
Gas cleaning and upgrading → Ash

↓
Gas cooling and analyzing

└→ H_2CO , CH_4 , CO_2

Ans. 2

Differentiate organ on a chip and tissue engineering.

~~Organ on a chip~~

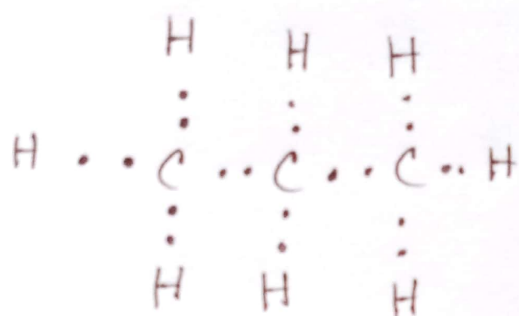
Tissue engineering :

Tissue engineering is a biomedical engineering discipline that uses a combination of cells, materials methods, suitable biochemical and physicochemical factors to restore, replace or maintain and improve different types of biological tissues.

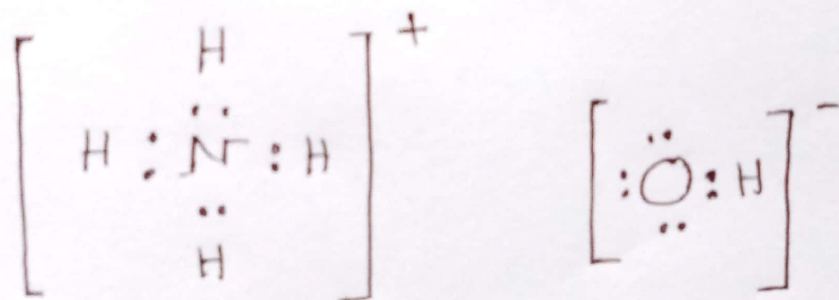
Organ on a chip : The organ ~~on~~ chips are designed to accurately recreate the natural physiology and mechanical forces that cells experience in the human body. The chips are lined with living human cells and their tiny fluidic channels reproduce blood and air flow just as in the human body.

Ans No. 3

(a) Lewis diagram for C_3H_8

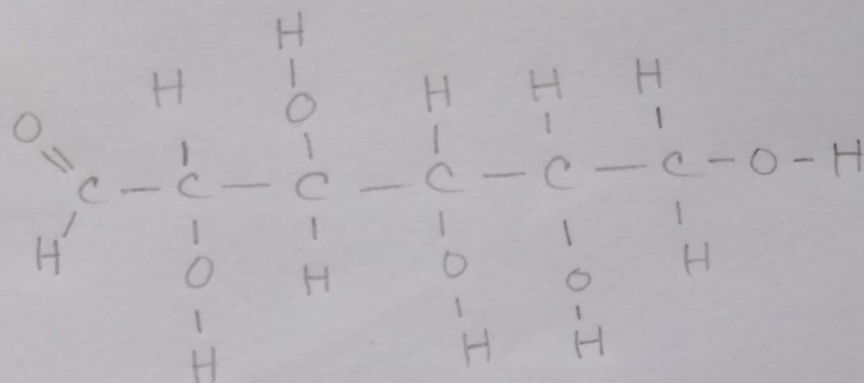
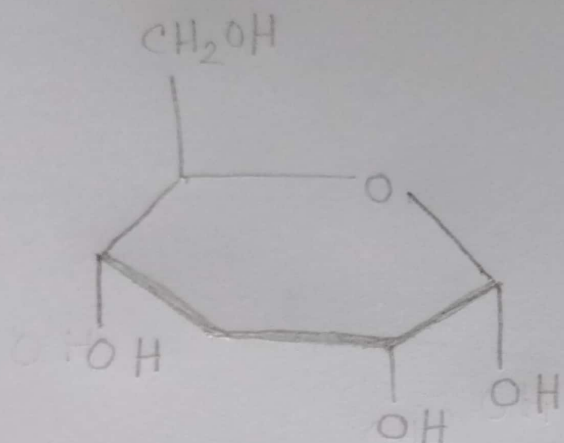


Lewis diagram for NH_4OH



(b) Bonding structure of glucose.

2



(c) H-bond inside human.

2

