

Glycogenolysis.

* Extra Glucose stored in body in the form of Glycogen. (Liver)
[Glycogenesis.]

Glycogen $\xrightarrow{\text{break}}$ Glucose.
 $\downarrow$
Branched polysacch. of Glucose.

$\Rightarrow$ Glycogen formed when our body has More Glucose.

[DEPTH OF BIOLOGY]

or
When, we are in well fed-state.

$\Rightarrow$ At the time of emergency, at the time of need.

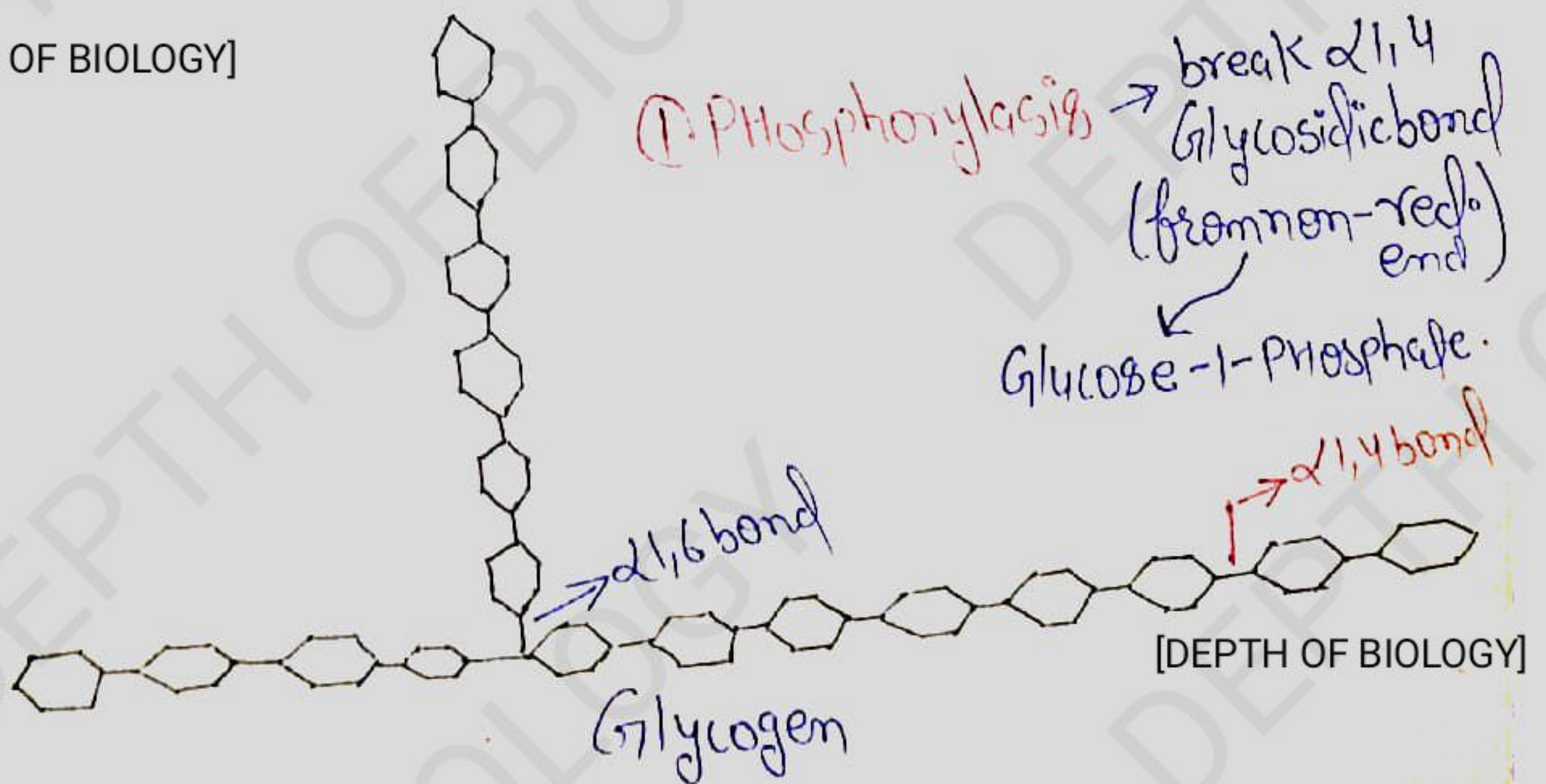
Glycogen $\longrightarrow$ Glucose $\longrightarrow$ Used by body.

$\Rightarrow$ Glycogenolysis takes place in cytosol. (Liver, Muscle).

Well fed-Condition $\longrightarrow$ Glycogen $\uparrow\uparrow$ $\longrightarrow$ Liver.

Starvation $\longrightarrow$ Glycogen $\downarrow\downarrow$ $\longrightarrow$ Liver.

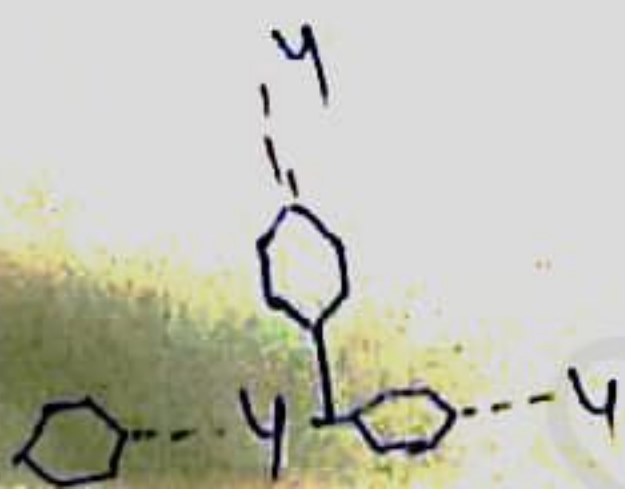
[DEPTH OF BIOLOGY]

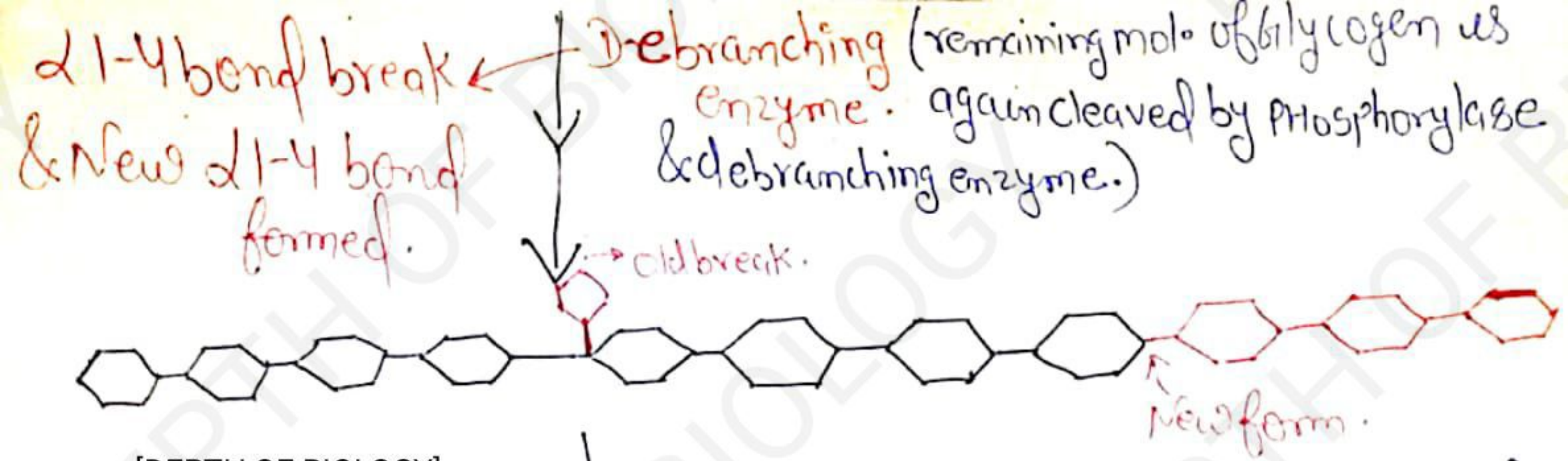


[DEPTH OF BIOLOGY]

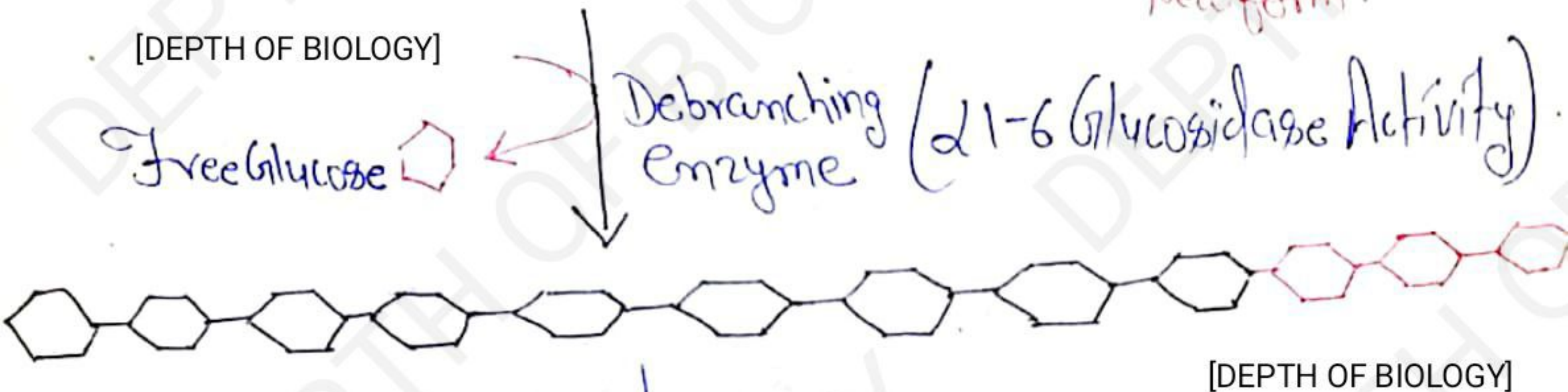
Glycogen phosphorylase.

Glucose-1-Phosphate.





[DEPTH OF BIOLOGY]



Further action
of Phosphorylase

Glucose-1-Phosphate

Phosphoglucomutase (Isomerisation)

Glucose-6-Phosphate $\Rightarrow$ Glycolysis

(In Liver & Kidney only)

Glucose-6-Phosphatase

[DEPTH OF BIOLOGY]

Glucose (The Power of Body)

* Glycogen released
Energy even in the
Absence of Oxygen.