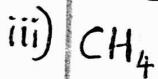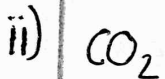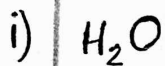## Assignment

1. Calculate the molecular mass of glucose ($C_6H_{12}O_6$) molecule.

Ans) molecular mass $= (6 \times 12) + (1 \times 12) + (6 \times 16)$

$$= 180\, u$$

2. Calculate the molar mass of the following:

i) H_2O

ii) CO_2

iii) CH_4

Ans) i) $H_2O = 2 + 16 = 18\, g/mol$

ii) molar mass of $CO_2 = 12 + (16 \times 2)$

$$= 44\, g/mol$$

iii) molar mass of $CH_4 = 12 + (4 \times 1)$

$$= 16\, g/mol$$