THIRUVANANTHAPURAM EDUCATIONAL DISTRICT

CHAPTER 2 (MODULE 2)

ANSWER KEY
CHEMISTRY
STANDARD X

1.

Fill in the blanks 1 Dozen = 12 No.s

1mole = 6.022×10^{23} .No.s

2. **Complete the table**

Element	Relative atomic mass	GAM (Relative atomic mass in gram)	No.s of atoms in 1GAM
Carbon	12	12g	6.022 X 10 ²³
Neon	20	20g	6.022 X 10 ²³
Calcium	40	40g	6.022 X 10 ²³
Sulphur	32	32g	6.022 X 10 ²³

3.

4.

Find out the pairs having equal no.s of atoms

- ➤ 10 g Hydrogen
- ➤ 140 g Nitrogen
- ➤ 230g Sodium

Complete the diagram

Relative atomic mass expressed In gram

One gram atom

One gram atom

Find out no. of atoms present in following samples
(a) 240g of carbon - 20 X 6.022x10²³
(b) 460g Sodium - 20 X 6.022x10²³