

- The relative atomic mass of magnesium is reported as 24.3. Show how this figure is calculated given the natural abundances of the following isotopes of magnesium: ^{24}Mg (79.0 %); ^{25}Mg (10.0 %); ^{26}Mg (11.0 %).

Marks
2

- With examples, briefly explain what allotropes are.

2

- Complete the following table.

2

| Formula | Name |
|--------------------------|-----------------|
| Na_2CO_3 | |
| | iron(III) oxide |
| PCl_3 | |
| | ammonia |