(Using moles to calculate masses)

Q1.a) (2019)

independent

Q1. b) (2019)

increases

Q1. c) (2019)

1.3 (g)

Q2.a) (2019)

$$\frac{38}{100} \times 40$$

$$= 15 \text{ (kg)}$$

Q2.b) (2019)

$$(2 \times 27) + (3 \times 16)$$

$$= 102$$

Q2.c) (2019)

$$\frac{28.4}{31.8} \times 100$$

$$= 89.3081761\ (\%)$$

$$= 89.3\ (\%)$$

Q3.a) (2023)

(total atoms =) 30

(percentage =)
$$\frac{6}{30} \times 100$$

$$= 20\ (\%)$$

Q3.b) (2023)

sizes

slide (over each other)