

Name:

# GROUP QUIZ UNIT 03

NAMES

KEY

## Answer Key:

1. D

2. A

3. B

4. C

5. C

6. B

7. C

8. B

9. C

10. B

11. D

12. D

13. B

14. A

15. C

16. 
$$\begin{aligned} \text{Avg. Atomic Mass} &= \frac{(40)(64.25\%) + (41)(30.93\%) + (42)(4.82\%)}{100} \\ &= \boxed{40.41 \text{ amu}} \end{aligned}$$

17. 
$$\begin{aligned} &= \frac{(11.99)(90.45\%) + (13.01)(6.82\%) + (14.20)(2.73\%)}{100} \\ &= \boxed{12.12 \text{ amu}} \end{aligned}$$

18.

Element	Z	A	p	n	e	Isotopic symbol
gold	79	198	79	119	79	$^{198}_{79}\text{Au}$
copper	29	64	29	35	29	$^{64}_{29}\text{Cu}$
boron	5	11	5	6	5	$^{11}_5\text{B}$
bromide ion	35	80	35	45	36	$^{80}_{35}\text{Br}^-$