

White Board Practice
Types of Bonds and
Nomenclature

Write down your answer on the white board and hold it up when you think that you have the answer!

1

How many valence electrons does Oxygen have?

2

What charge will oxygen have when it forms an ion? What will its name be?

3

CCl₄
Type of bond? Name?

4

Mg(OH)₂
Type of bond? Name?

5

NaCl
Type of bond? Name?

6

NaF
Type of bond? Name?

7

Ba(NO₃)₂
Type of bond? Name?

8

Li₂SO₄
Type of bond? Name?

9

S₂F₄
Type of bond? Name?

10

CO₃
Type of bond? Name?

11

How many valence electrons does Sulfur have?

12

What charge will sulfur have when it forms and ion? What will its name be?

13

What are the names for the common ions SO₄²⁻ and SO₃²⁻

14

Cs₂S
Type of bond? Name?

15

How many valence electrons does Radium have?

16

What charge will Radium have when it forms and ion? What will its name be?

17

CoF₃
Type of bond? Name?

18

NO₂
Type of bond? Name?

19

How many valence electrons does Nitrogen have?

20

What charge will Nitrogen have when it forms and ion? What will its name be?

21

MgCl₂
Type of bond? Name?

22

Al₂(SO₄)₃
Type of bond? Name?

23

AgNO₃
Type of bond? Name?

24



Type of bond? Name?

25



Type of bond? Name?

26



Type of bond? Name?

27



Type of bond? Name?

28



Type of bond? Name?

29

How many valence
electrons does
Phosphorous have?

30

What charge will
Phosphorous have when it
forms an ion? What will
its name be?

31



Type of bond? Name?

32



Type of bond? Name?

33



Type of bond? Name?

34



Type of bond? Name?

35



Type of bond? Name?

36



Type of bond? Name?

37



Type of bond? Name?

38



Type of bond? Name?

39



Type of bond? Name?

40



Type of bond? Name?

41



Type of bond? Name?

42

How many valence
electrons does
Rubidium have?

43

What charge will Rubidium
have when it forms an
ion? What will its name be?

44



Type of bond? Name?

45



Type of bond? Name?

46



Type of bond? Name?

47



Type of bond? Name?

48



Type of bond? Name?

49



Type of bond? Name?

50



Type of bond? Name?

51



Type of bond? Name?

52



Type of bond? Name?

53



Type of bond? Name?

54



Type of bond? Name?

55