

LEWIS STRUCTURES



AVAILABLE

$$1 + 1 = 2$$

NEED

$$2 \times 2 = 4$$

SHARE

$$4 - 2 = 2$$

BONDS

$$\frac{2}{2} = 1$$



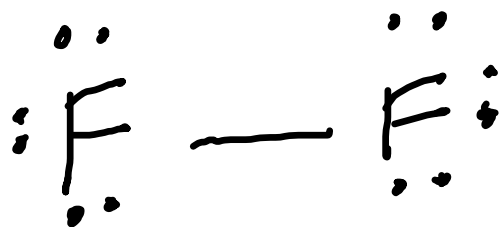
F_2

$$\text{AVAIL} \quad 7 + 7 = 14$$

$$\text{NEED} \quad 8 + 8 = 16$$

$$\text{SHARE} \quad 16 - 14 = 2$$

$$\text{BONDS} \quad \frac{2}{2} = 1$$



O₂

AVAIL

$$6 + 6 = 12$$

NEED

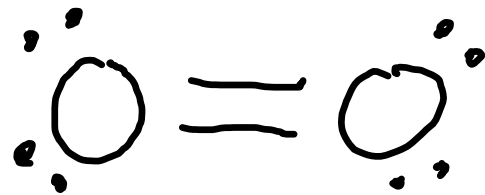
$$8 + 8 = 16$$

SHARE

$$16 - 12 = 4$$

BONDS

$$\frac{4}{2} = 2$$



N_2

AVAIL

$$5 + 5 = 10$$

NEED

$$8 + 8 = 16$$

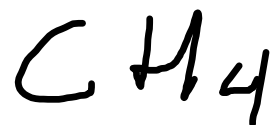
SHARE

$$16 - 10 = 6$$

BONDS

$$\frac{6}{2} = 3$$





AVAIL

$$4 + (4 \times 1) = 8$$

NEED

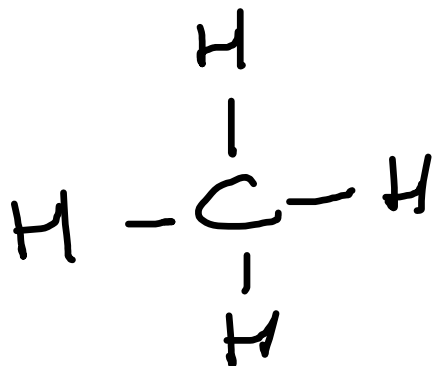
$$8 + (4 \times 2) = 16$$

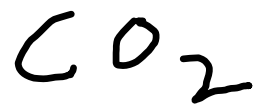
SHARE

$$16 - 8 = 8$$

BONDS

$$\frac{8}{2} = 4$$





AVAIL

$$4 + (6 \times 2) = 16$$

NEED

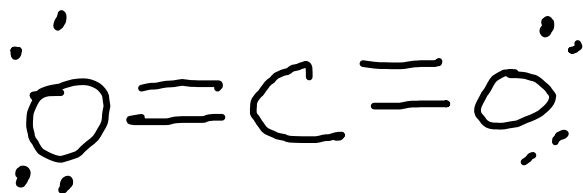
$$8 + 3 = 24$$

SHAPE

$$24 - 16 = 8$$

BONDS

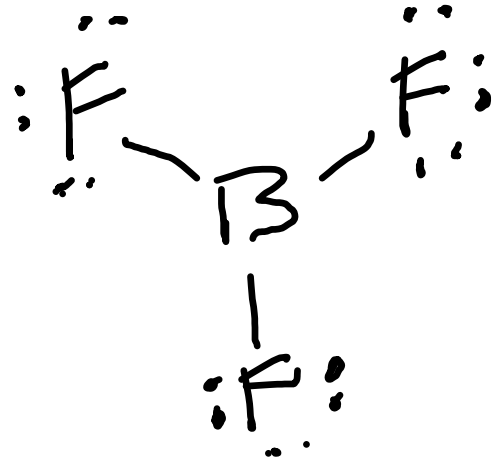
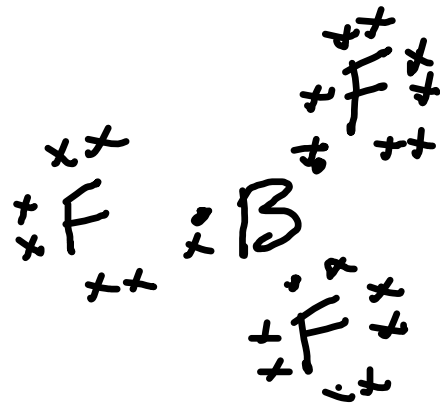
$$\frac{8}{2} = 4$$

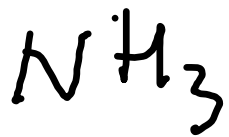




~~AVAIL
NEED
SHARE
BONDS~~

~~$3 + (7 \times 3) = 24$~~





AVAIL

$$5 + (3 \times 1) = 8$$

NEED

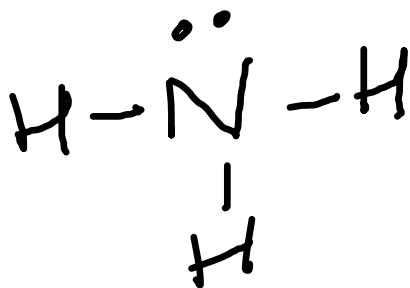
$$8 + (3 \times 2) = 14$$

SHARE

$$14 - 8 = 6$$

BONDS

$$\frac{6}{2} = 3$$



C O

AVAIL	$4 + 6 = 10$
NEED	$8 + 8 = 16$
SHORTAGE	$16 - 10 = 6$
BONDS	$\frac{6}{2} = 3$



SO

AVAIL

$$6 + 6 = 12$$

NEED

$$8 + 8 = 16$$

SHARE

$$16 - 12 = 4$$

BONDS

$$\frac{4}{2} = 2$$

