

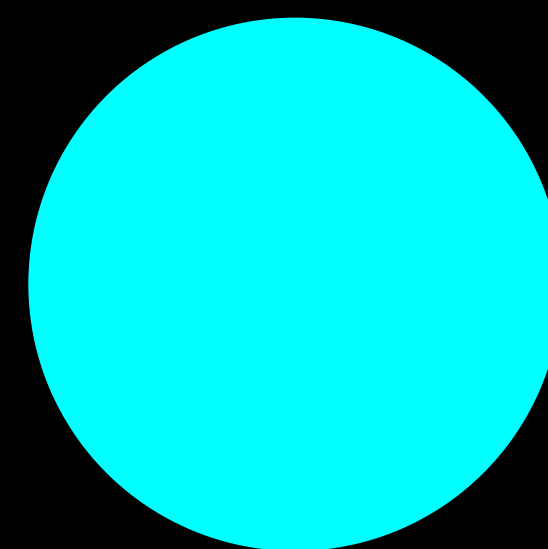
● 4+
Si ?

● 2-
O ?

● 4+

Si ?

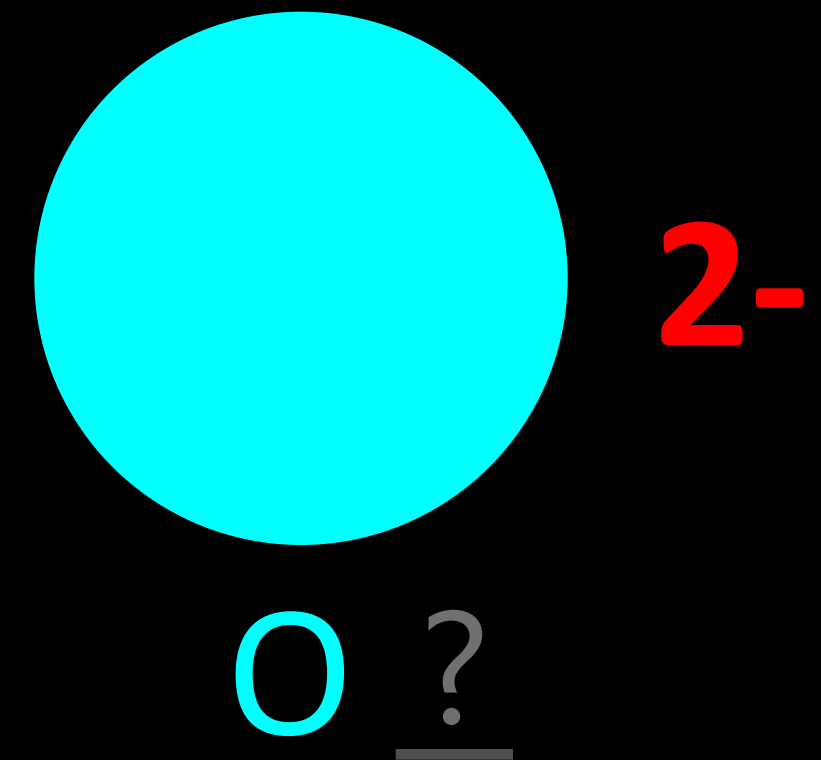
Hint: The two most abundant elements in Earth's crust are **silicon (Si)** and **oxygen (O)**



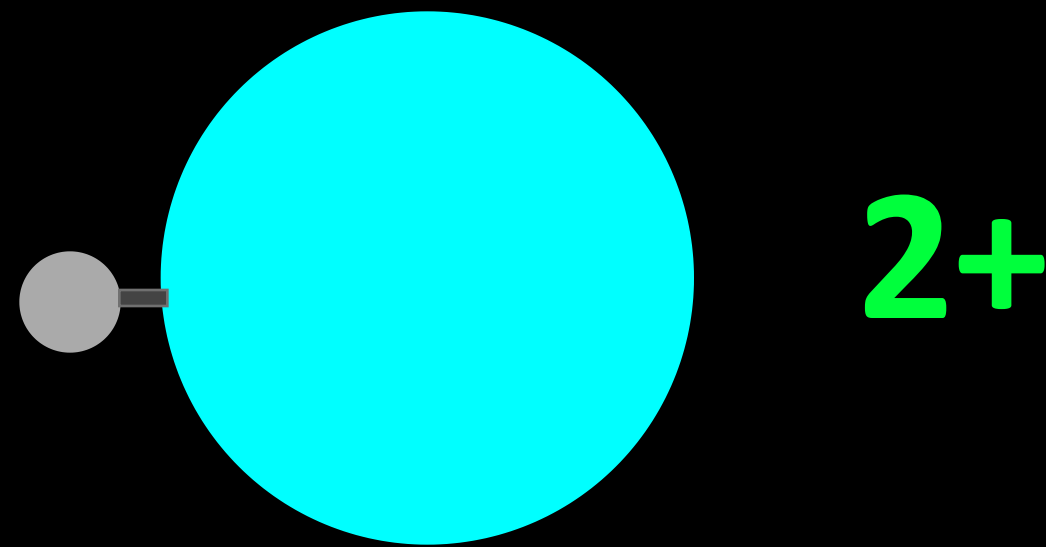
2-

O ?

● 4+
Si ?

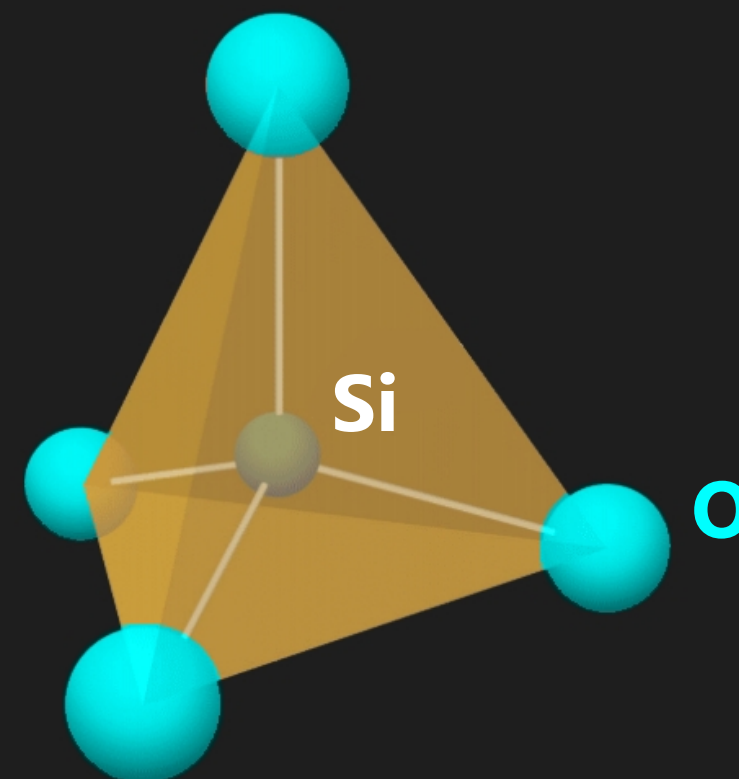


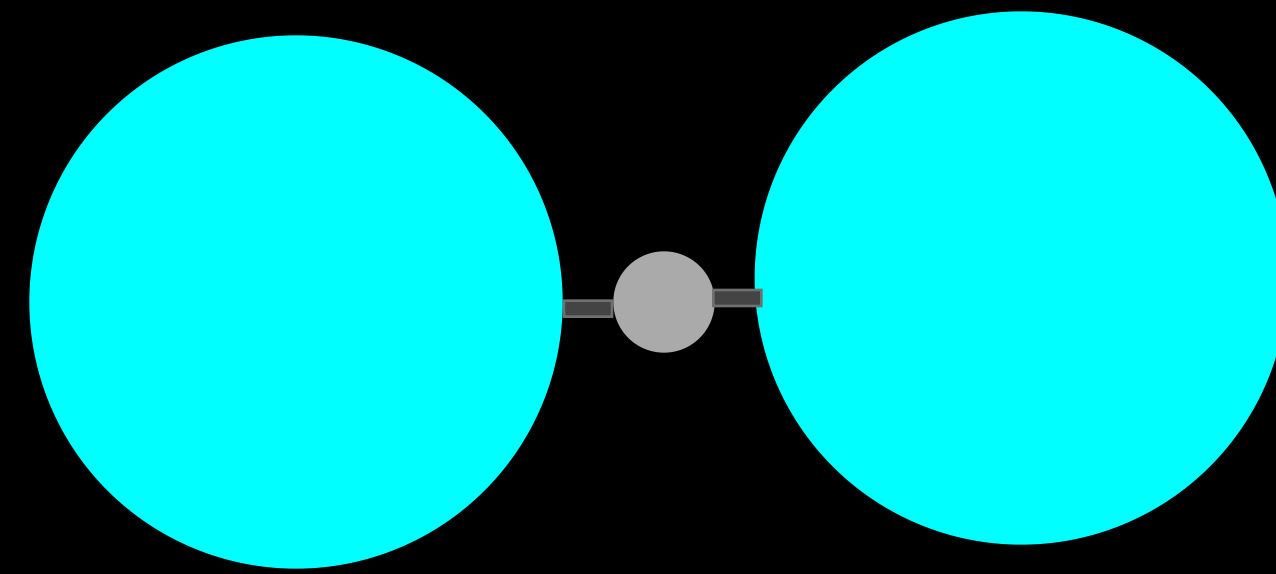
Hint: Nearly all minerals contain **oxygen (O)**. Move this oxygen ion around to see what it's attracted to.



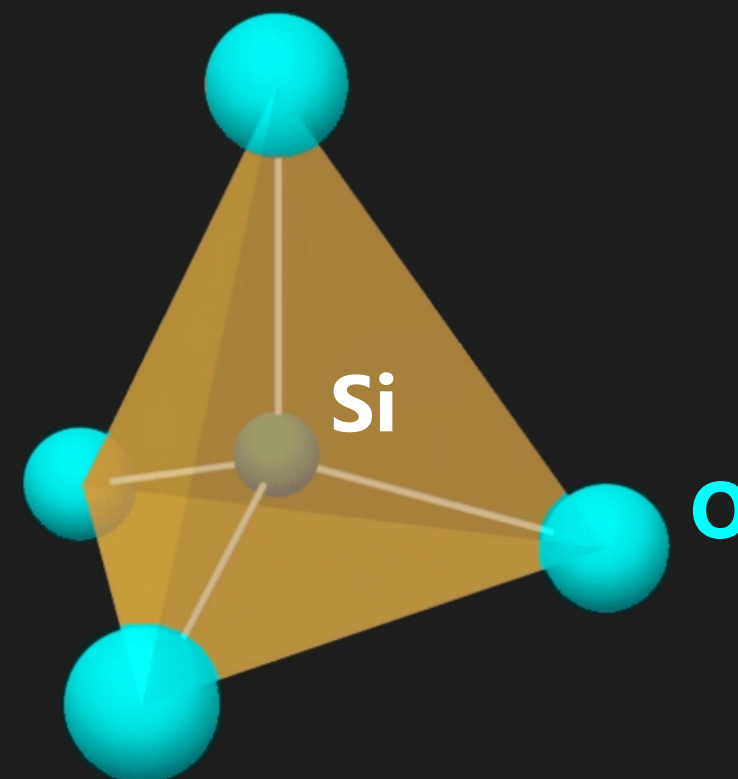
SiO?

Hint: The basic building block of silicate minerals is **one silicon (Si)** atom surrounded by **four oxygen (O)** atoms.

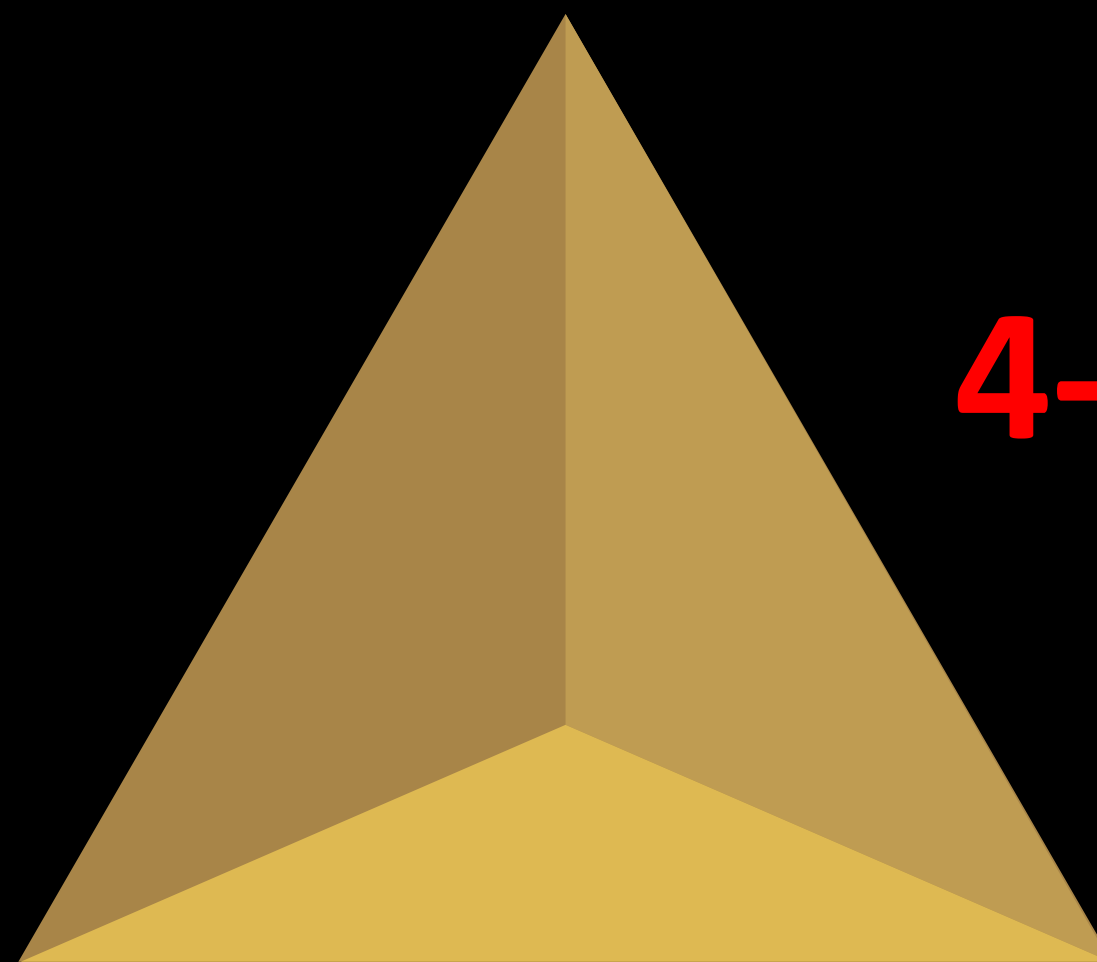




Hint: The basic building block of silicate minerals is **one silicon (Si)** atom surrounded by **four oxygen (O)** atoms.



This is the formula for
Quartz; how can we say
something about that here?

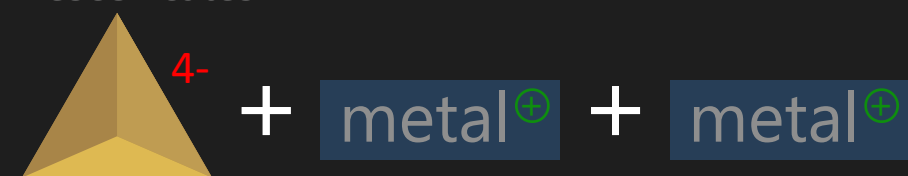


4-



Hint: Silicate minerals have one of the following formulas:

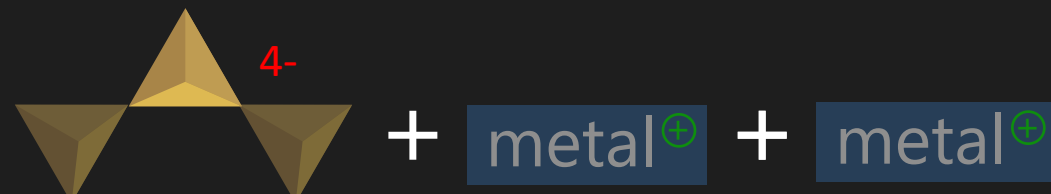
Nesosilicates

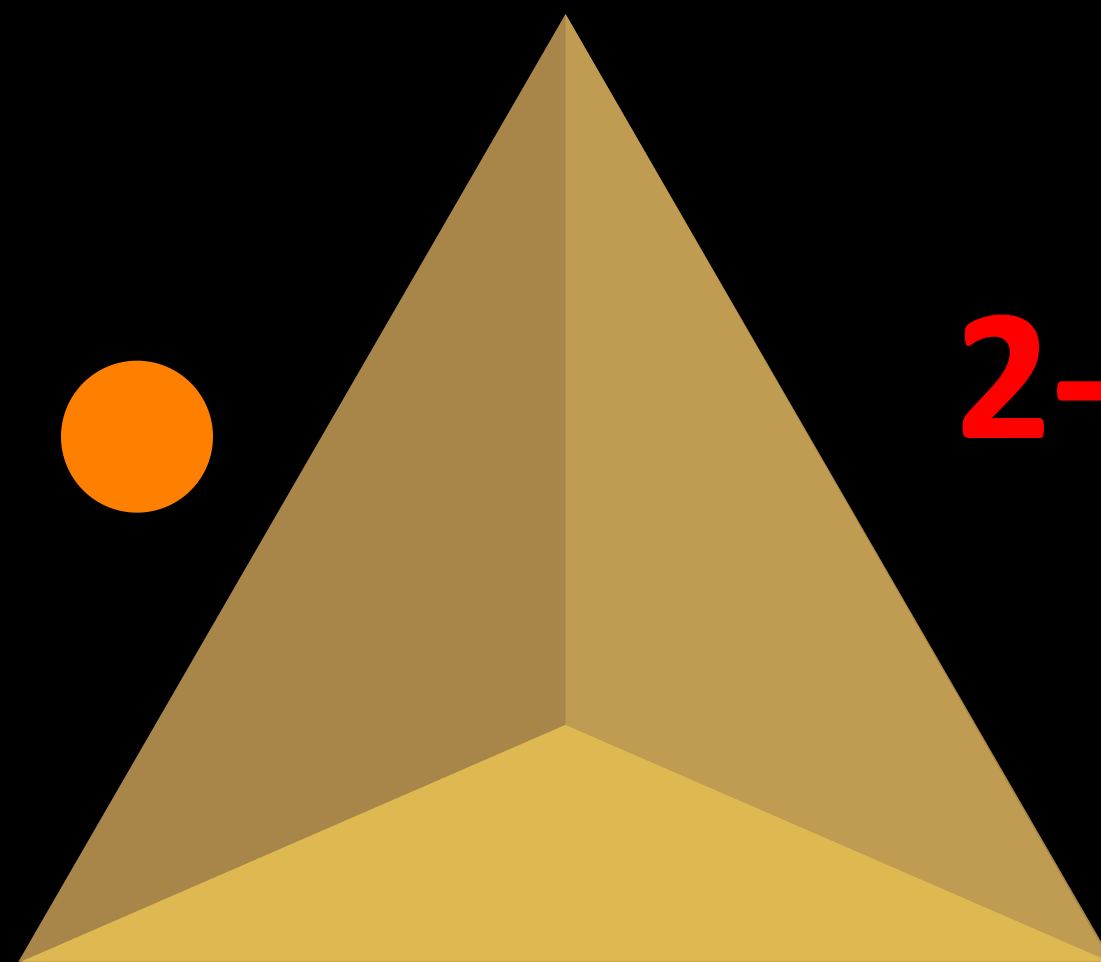


Inosilicates (chain silicates)



Tectosilicates (framework silicates)





Hint: Silicate minerals have one of the following formulas:

Nesosilicates

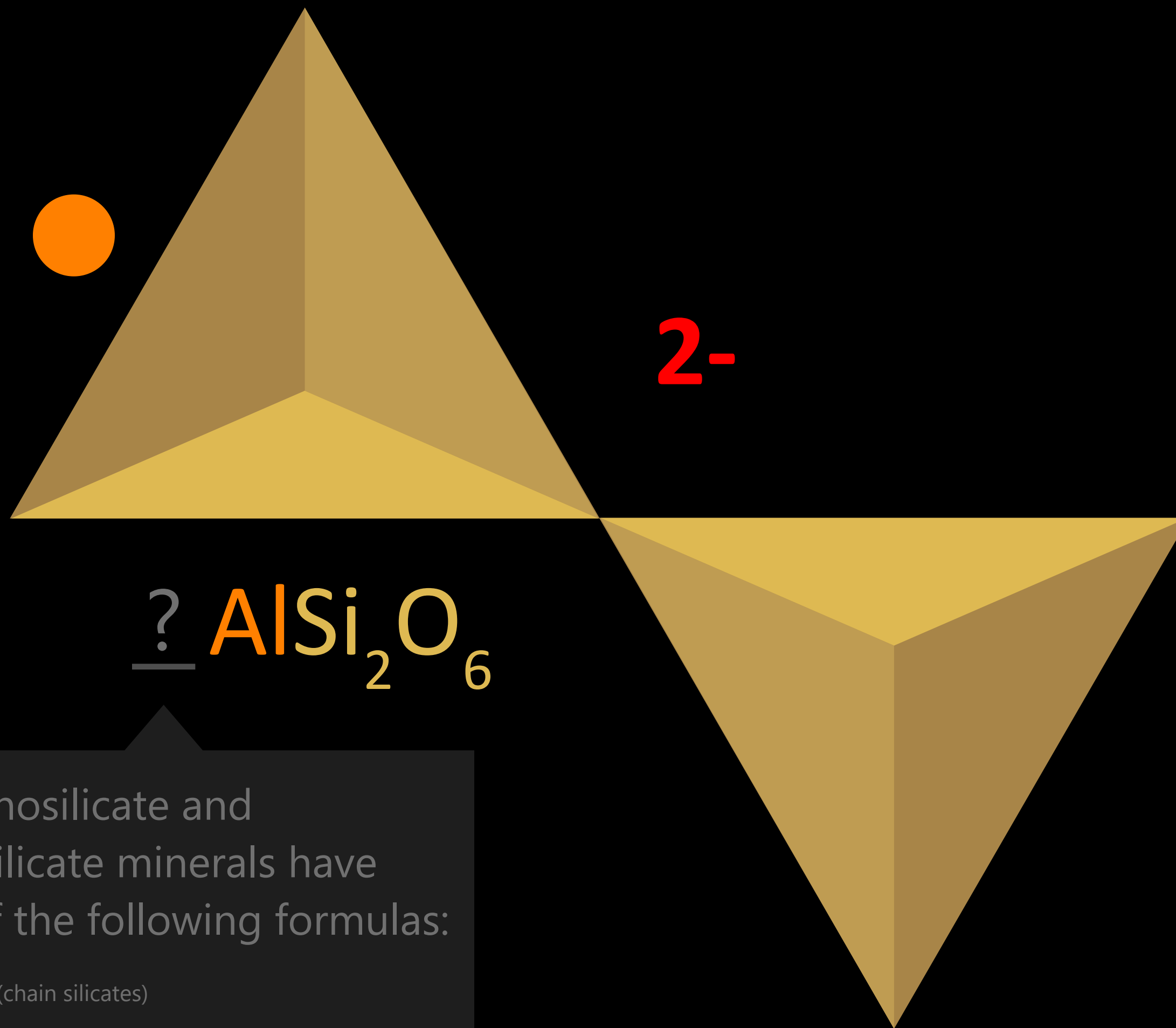


Inosilicates (chain silicates)



Tectosilicates (framework silicates)





Hint: Inosilicate and tectosilicate minerals have one of the following formulas:

Inosilicates (chain silicates)



Tectosilicates (framework silicates)

