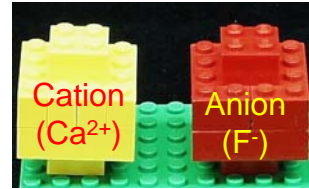
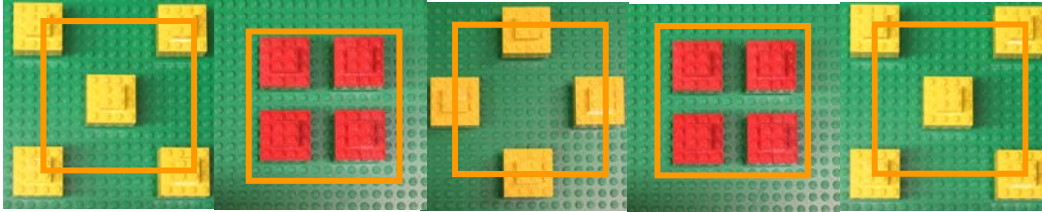


# Fluorite

LEGO unit representing ions in this structure:



Whole ions:



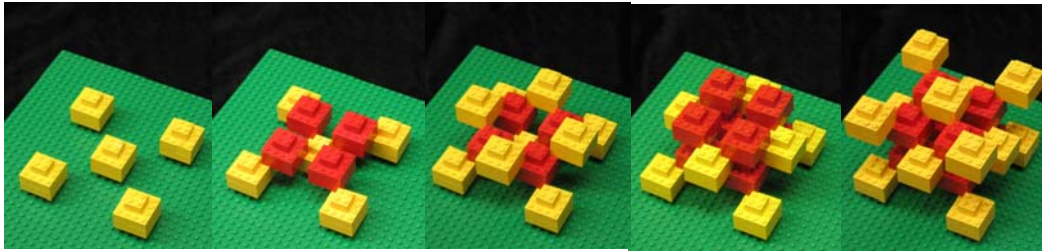
**Z=0**

**Z=1/4**

**Z=1/2**

**Z=3/4**

**Z=1**



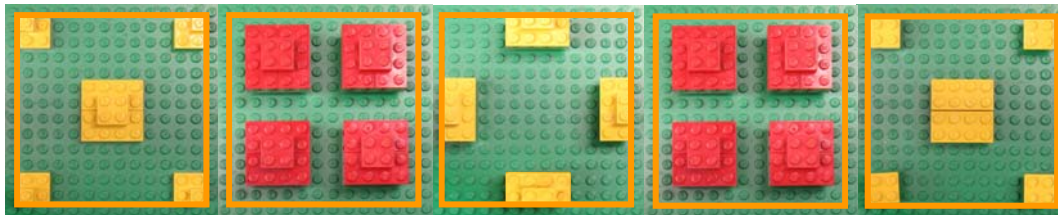
This model Whole ion requires:

56 yellow 2x4 bricks  
28 yellow 2x2 bricks  
32 red 2x4 bricks  
16 red 2x2 bricks

This model Unit cell requires:

12 yellow 2x4 bricks    32 red 2x4 bricks  
10 yellow 2x2 bricks    16 red 2x2 bricks  
8 yellow 1x2 bricks  
8 yellow 1x1 bricks

Unit cell:



**Z=0**

**Z=1/4**

**Z=1/2**

**Z=3/4**

**Z=1**

