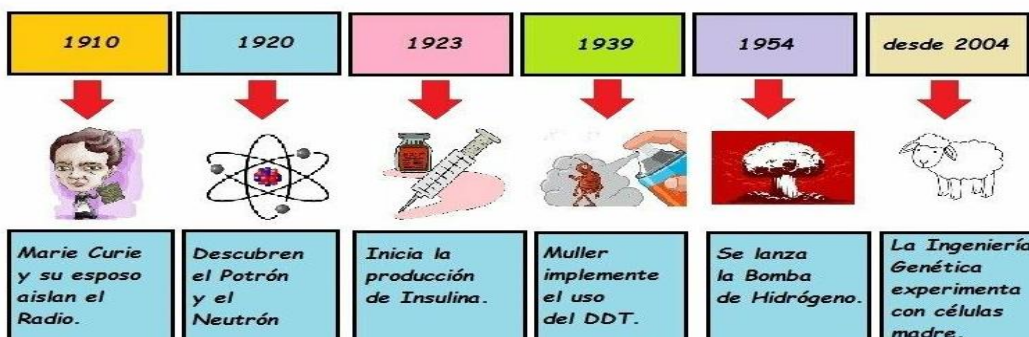
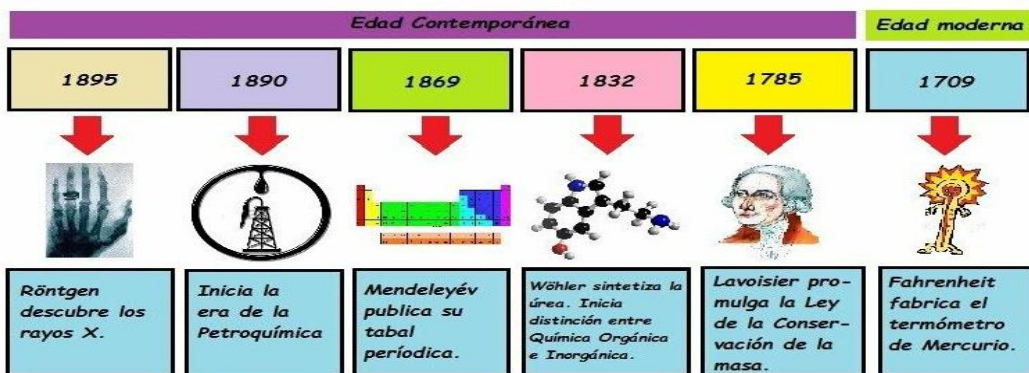
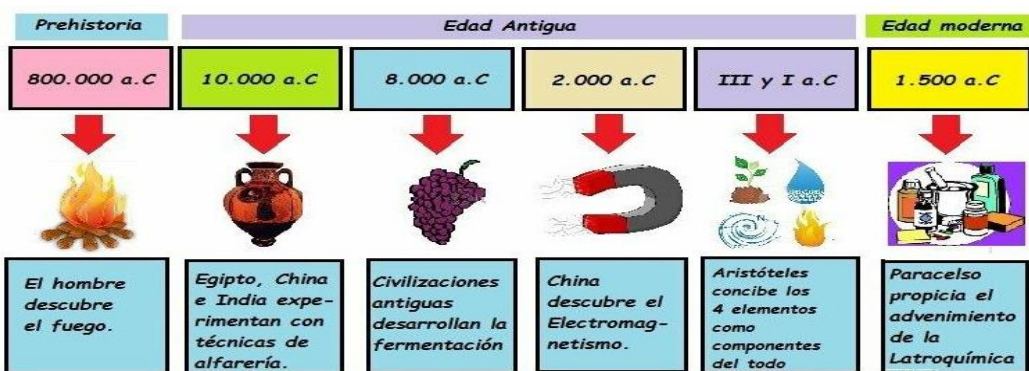




PREPARATION WORKSHOP
THIRD PERIOD
CHEMISTRY
EIGHTH GRADE
TEACHER HEISEL QUESADA

Delivery date November 3, 2023

Delivery date November 3, 2023



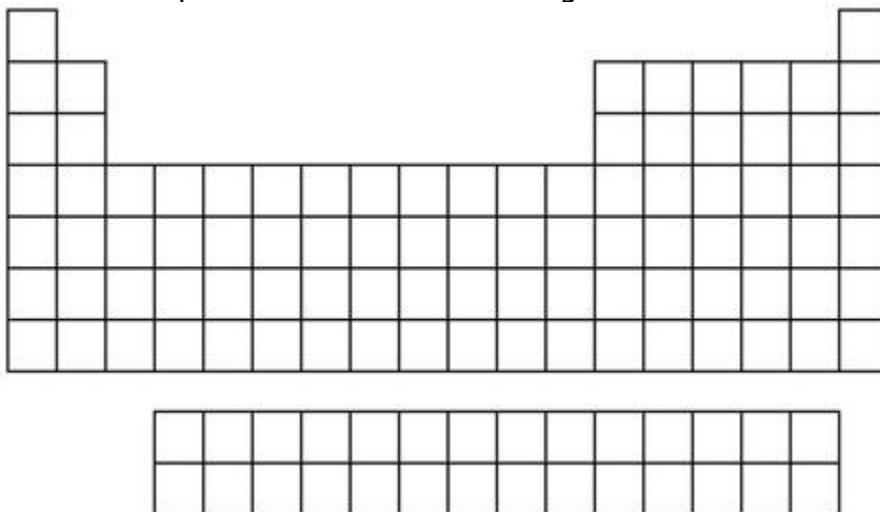
From the timeline answer:

1. What are the main events that occurred in

- a. Old age
 - b. Contemporary age
 - c. Modern age
2. What do you think is the most important discovery in the history of chemistry? Justify your answer
 3. Make a concept map with the history of Chemistry

Chemical bonds are the force that holds atoms together to form molecules and compounds. The bonds can be covalent or ionic, depending on how the electrons are shared or transferred. In covalent bonds, atoms share pairs of electrons. This type of bond occurs between nonmetallic atoms, such as carbon and oxygen. Atoms can share a single pair of electrons, forming a single bond, or two or three pairs of electrons, forming double or triple bonds. In ionic bonding, atoms transfer electrons to form ions with opposite charges. The ions attract each other and form an ionic compound. This type of bond occurs between a metal atom and a nonmetallic atom, such as sodium and chlorine in sodium chloride.

4. Make a concept map with the information
5. What is the importance of chemical bonding?



6. Draw the scheme of the periodic table and color with green the noble gases, blue the rare earths, yellow the alkali metals, red the halogens and gray the transition metals. Write the groups and periods
7. Locate the following elements on the periodic table: chlorine, uranium, beryllium, iron, thorium, aluminum, cobalt, vanadium, manganese, and lithium. Write its atomic number, symbol and name
8. Choose 5 previous elements and perform all the atomic characteristics

METAL	Fr	Ni	Fe	Mn	Cr
NO METAL	N	Te	As	Cl	S

9. Identify the type of link in each case
 10. Realice the formation reactions for the previous pairs of elements