



# Colegio Pequeños Bilingües

## Third Term



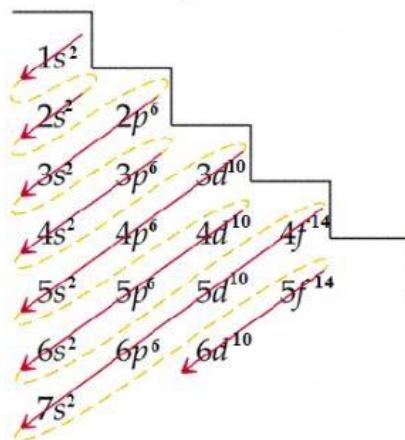
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Grado: FIFTH PRIMARY

## Topic: EVALUACIÓN FINAL

## FINAL EVALUATION

LOOK AT THE DIAGRAM BELOW AND ANSWER THE QUESTIONS



What is the total number of orbitals in a  $p$  sublevel?



What is the total number of valence electrons in an atom with the electron configuration  $1s^2 2s^2 2p^6 3s^2 3p^3$ ?



Iron (Fe) has 26 electrons. Using Madelung's rule, what is iron's electron configuration?

- $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^6$
  - $1s^6\ 2s^6\ 2p^2\ 3s^6\ 3p^2\ 4s^6\ 3d^2$
  - $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}$
  - $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 3d^8$

According to these electron configurations complete the following table

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	Period	Group (# A OR B)	Sublevel	Element symbol or name
1. $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^4$				
2. $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s^1$				

Match the type of energy with the correct description

Type of energy	Description
Kinetic	Energy stored by stretched or compressed objects.
Elastic potential	Energy carried by tiny moving electrical charges often through a wire.
Light	Energy carried by a kind of vibration that can travel through the air.
Electrical	Energy carried by any moving object.
Chemical	Energy that can warm us up.
Sound	Energy that comes from the Sun or a light bulb and we can use it to see, using our eyes.
Heat	Energy stored by being high up or being moved higher up.
Gravitational potential	Energy stored in a fuel, for example petrol or in a battery.

Find the statement in Column B that best describes each word in Column A. Write the letter of that statement in the space provided.

Column A

1. \_\_\_\_\_ mouth
2. \_\_\_\_\_ large intestine
3. \_\_\_\_\_ liver
4. \_\_\_\_\_ stomach
5. \_\_\_\_\_ teeth
6. \_\_\_\_\_ small intestine
7. \_\_\_\_\_ salivary glands
8. \_\_\_\_\_ gall bladder
9. \_\_\_\_\_ villi

Column B

- A. makes bile
- B. produce juices in the mouth
- C. churns food, adds juices
- D. where digestion begins
- E. water removed, solids stored
- F. tiny, finger-like projections found in small intestine
- G. breaks, grinds food into pieces
- H. absorbs food, sends it throughout body
- I. stores bile