Colegio Pequeños Bilingües
Fourth Term

Teacher: Qca. Jaznemileth Grillo Garavito	Grado: Quinto primary
Topic: FINAL EXAM	Test worksheet

Name:_____

Date	Name of day	Month	Day number	Year	**Score**

1. Write F (false) or T (true) in the description the type of energy

a. The Elastic potential is the Energy stored by stretched or compressed objects. ( )

b. The Electrical is the Energy carried by tiny moving electrical charges often through a wire. ( )

c. The Light is the Energy carried by a kind of vibration that can travel through the air. ( )

d. The Kinetic is the Energy carried by any moving object. ( )

e. The Chemical Energy is stored in a fuel, for example petrol or in a battery. ( )

f. Sound Energy that comes from the Sun or a light bulb and we can use it to see, using our eyes. ( )

g. Gravitational potential is the Energy stored by being high up or being moved higher up. ( )

2. Put in the correct order how electricity gets to the house.

Electric current travels through high voltage cables and reaches the houses where it will be distributed in a parallel circuit inside each house

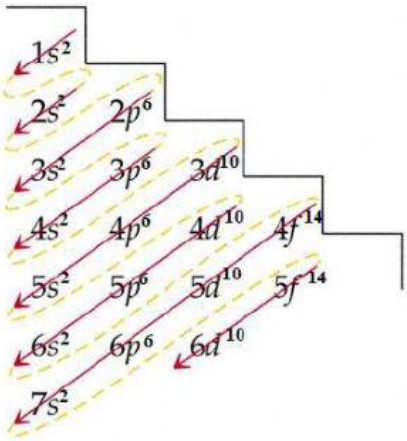
Electric energy is efficiently transported from one point to another by the transmission lines.

The nergy is generated in the power plant

The transformer allows you to increase or decrease the alternating current voltage, maintaining the power that will travel to the houses

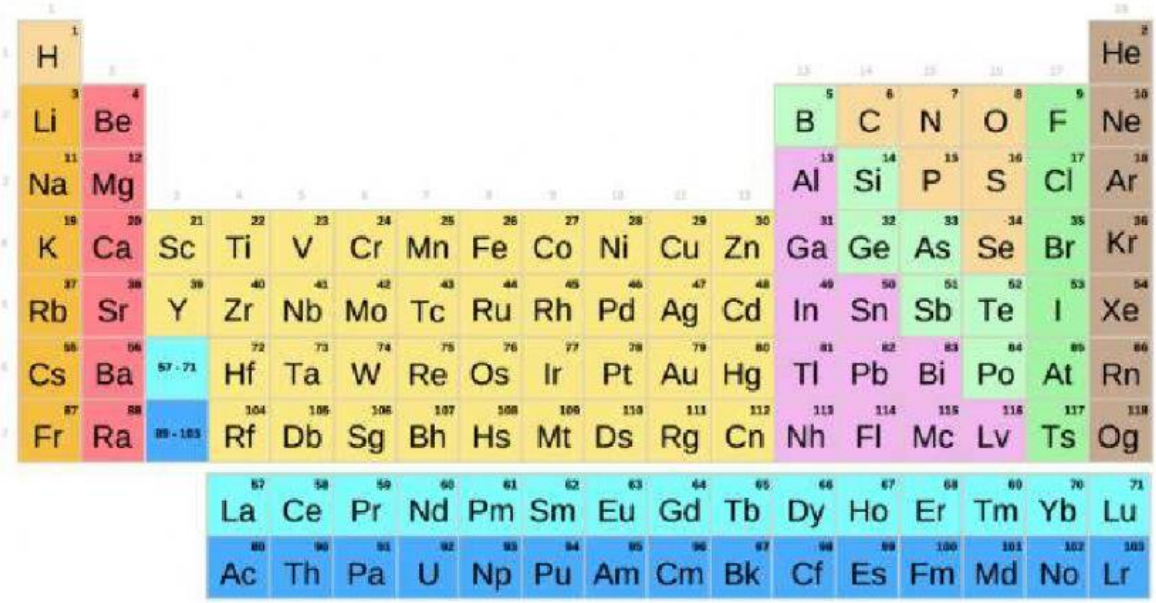
In the electrical substation, adequate voltage levels are established for the transmission and distribution of electrical energy.

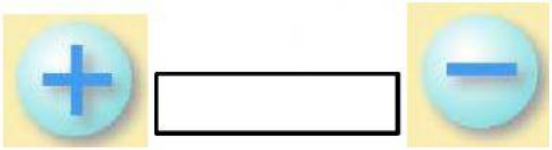
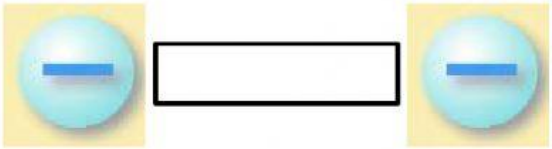
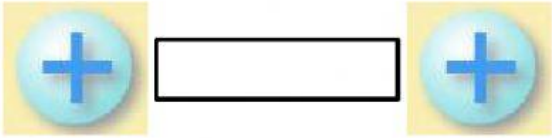
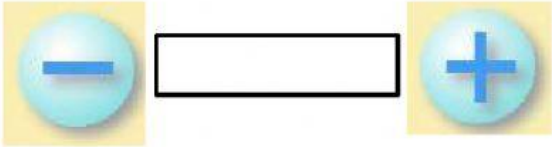
3. Using Madelung's rule to select the electron configuration for the next elements.



Bromo (Br) = 35	$1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^3\ 5s^2$	$1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^5$
Calcio (Ca) =20	$1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2$	$1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^5\ 4s^2$
Germanio (Ge) =32	$1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^2$	$1s^2\ 2s^2\ 3p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^2$

4. Complete the following table using the periodic table provided.



Symbol	Atomic number	Name
Fe		
P		
K		
O		
S		
Cu		
Sr		

5. Attract or repel? Write the correct answer.