



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

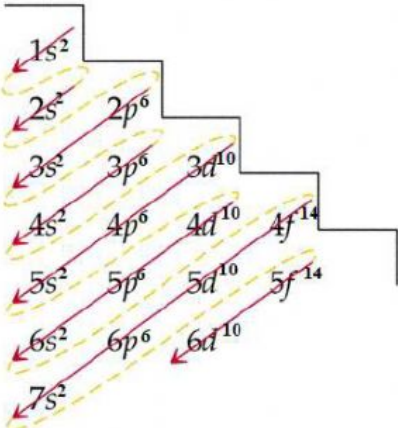
Electric energy is efficiently transported from one point to another by the transmission lines.

The energy 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.

1 H																	18 Ar	19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr															
3 Li	4 Be																	13 Al	14 Si	15 P	16 S	17 Cl	18 Ar	37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe									
11 Na	12 Mg																	31 Al	32 Si	33 P	34 S	35 Cl	36 Ar	55 Cs	56 Ba	57-71	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn									
87 Fr	88 Ra	89-103	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Nh	114 Fl	115 Mc	116 Lv	117 Ts	118 Og	119 Lu	120 Hf	121 Ta	122 W	123 Re	124 Os	125 Ir	126 Pt	127 Au	128 Hg	129 Tl	130 Pb	131 Bi	132 Po	133 At	134 Rn	135 Fr	136 Ra	137 Ac	138 Th	139 Pa	140 U	141 Np	142 Pu	143 Am	144 Cm	145 Bk	146 Cf	147 Es	148 Fm	149 Md	150 No	151 Lr

Symbol	Atomic number	Name
Fe		
P		
K		
O		
S		
Cu		
Sr		

5. Attract or repel? Write the correct answer.

