	Colegio Bilingüe José Allamano *"Excelencia académica y respeto por las personas y las culturas"* *Colegio Católico de los Misioneros de la Consolata*	Código: **3GA-29** Versión: 06 Fecha de emisión: 16-02-2010 Fecha de versión: 24-02-2020	
	Proceso: **GESTIÓN ACADÉMICA**	**EVALUACIÓN FINAL ÁREA: CIENCIAS NATURALES** **ASIGNATURA: Química** **GRADO: Segundo** **PERIODO: III**	

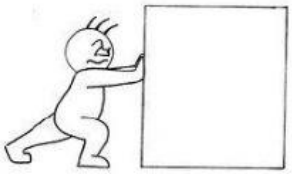
NOMBRE: _____ CURSO: _____ FECHA: _____ J. V._____

1. Select and circle the picture that is incorrect:





2. Label the following force examples with **push, pull, contact force** and **non-contact force**:



_____



_____



_____



_____

LIVEWORKSHEETS

3. Do these things need a push or a pull to make them move? Write push or pull under each picture.



_____



.....



_____ _____

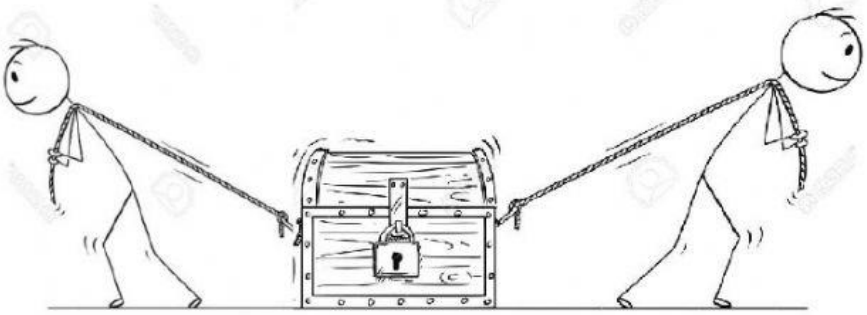




_____ _____

LIVEWORKSHEETS

4. Richard and Jack want to move a box but they try with all of their forces and they can't. In the following picture, you can see how they are doing. What do you think is their mistake?



a. They are pushing at the same time.
b. They are pulling at the same time.
c. Richard pulls and Jack pushes the box.
d. Neither is exerting any force.

5. Complete the paragraph.



Isaac Newton was born in Lincolnshire, England in 1643, where he grew up on a farm. When he was a boy, he made lots of brilliant inventions like a windmill to grind corn, a water clock and a sundial.

Isaac continued studying and experimenting at home. One day he was drinking a cup of tea in the garden. He saw an apple fall from a tree. Why do apples fall down instead of up?

According to the last history, an apple falls from a tree. Isaac Newton asks, why do apples fall down instead of up? This event makes that Isaac proposed a very important theory that explain the _____ force.

a. Magnetic
b. Normal
c. Contact
d. Gravitational

LIVEWORKSHEETS