



LICEO DEL VALLE
ELEMENTARY SCHOOL

STUDY GUIDE
SCHOOL YEAR 2017-2018

	GRADO ESCOLAR	
	SECOND GRADE	
	SUBJECT	
	SCIENCE	
	BIMESTER	
	FIFTH BIMESTER	
	Exam Date	
	JUNE 12TH, 2018.	
	CONTENT	

- 👾 WHAT IS HEAT?
- 👾 WHAT CAN LIGHT DO?
- 👾 WHAT IS SOUND?
- 👾 HOW DO THINGS MOVE?
- 👾 HOW CAN YOU CHANGE THE WAY THINGS MOVE?
- 👾 HOW DOES GRAVITY MAKE THINGS MOVE?
- 👾 HOW DO MAGNETS MAKE THINGS MOVE?

OBJECTIVES



Heat: Look for all the effects heat has on things, (Cause and Effect - see chart in notebook - note #42).



Light: Look for the main ideas about light and what it does as a kind of energy, (Check details in notebook - note #43).



Sound: Look for ways sounds can be alike and different, (Check differences in notebook - note # 44).



Motion: Look for ways motion and speed can be alike and different, (Check differences in notebook - note # 46).



Force: Look for actions that cause objects to move, (Cause and Effect - see chart in notebook - note #47).



Gravity: Look for the effect gravity has on objects, (Cause and effect - see chart in notebook - note # 48).



Magnets: Find out how magnets are and how they move objects, (Check details in notebook - note #49).



Vocabulary: (Check notes # 41 and # 45) **heat, light, shadow, sound, vibrate, loudness, pitch, motion, speed, force, push, pull, gravity, magnet, attract, magnetic force, pole, and repel.**

MATERIAL

Green notebook and photocopies. Review notes #41 to #49 in your notebook.

TOPIC	MATERIAL	RECOMMENDATIONS
Heat	Green notebook - note #42	Study the chart

EXAMPLE

Read each Cause and circle the correct effect.

1. The sun makes things hot.

Water gets warm.

Water gets cold.

2. A thing is dark-colored.

It warms up quickly.

It warms up slowly.

3. A thing is light-colored.

It warms up slowly.

It warms up quickly.

4. You rub your hands together.

They feel big.

They feel warm.

TOPIC	MATERIAL	RECOMMENDATIONS
Light	Green notebook - note #43	Study the chart
EXAMPLE		

Complete the chart.

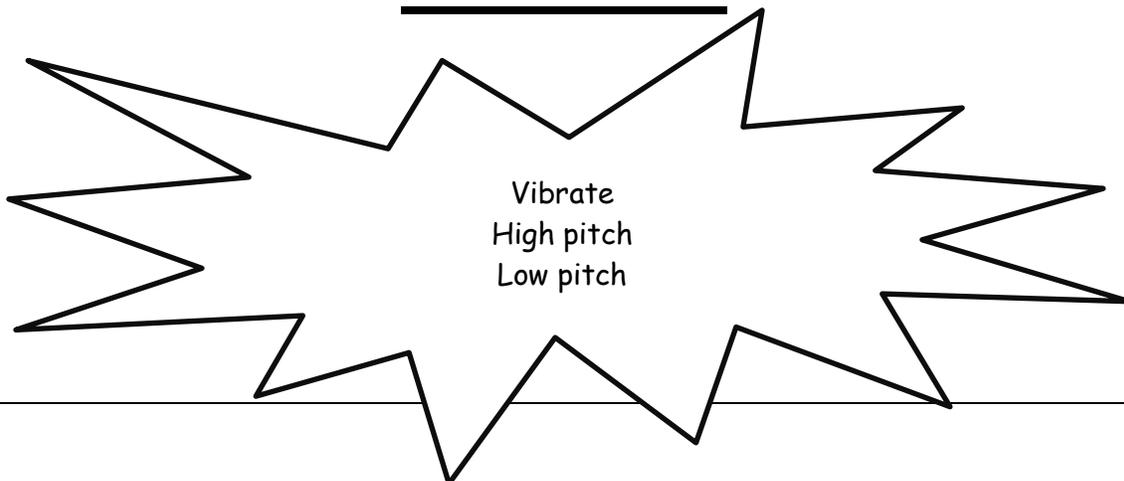
Light			
Light is a kind of _____.			
Light lets us _____.	Light can _____ through clear things.	Light is blocked by things that are not _____.	When something blocks light, you see a _____ shadow.

TOPIC	MATERIAL	RECOMMENDATIONS
Sound	Green notebook - note # 44	Understand the chart

EXAMPLE

Observe the picture and write the correct answer. Use the wordbank.





TOPIC	MATERIAL	RECOMMENDATIONS
Motion	Green notebook - note # 46	Study the chart and know the different ways of movement.

EXAMPLE

Match the missing word with the correct sentence.

1. All objects in motion

are _____.



zig-zag

2. The way of an object can be fast or _____.



moving

3. An object may move in a straight, curved, circle or in a _____ path.



slow

Draw the path inside the square.



Curve



Circle



Straight



Zig-zag

TOPIC	MATERIAL	RECOMMENDATIONS
Force	Green notebook - note #47	Check notebook's notes.

EXAMPLE

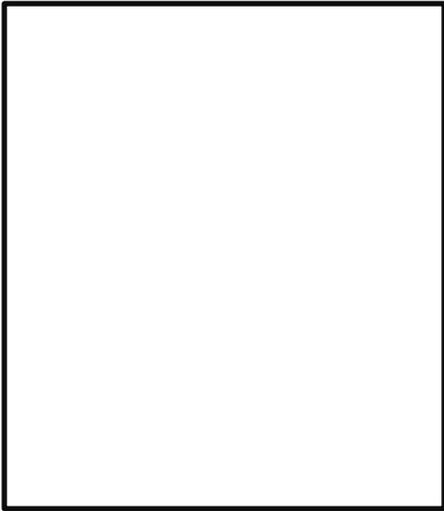
Write five effects of what Force can cause.

1. _____
2. _____
3. _____
4. _____
5. _____

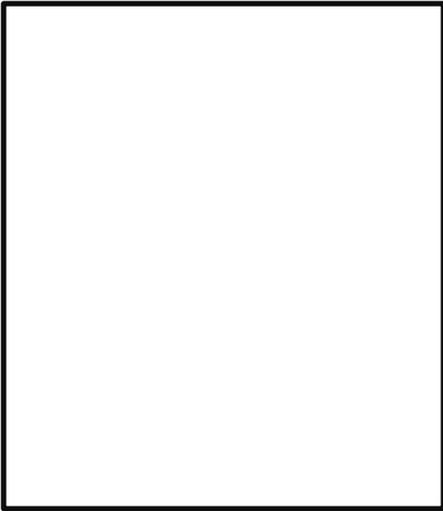
TOPIC	MATERIAL	RECOMMENDATIONS
Gravity	Green notebook - note # 48	Check notebook's notes.

EXAMPLE

Draw how gravity can or can't have an effect on us.



With Gravity



Without Gravity

TOPIC	MATERIAL	RECOMMENDATIONS
Magnets	Green notebook - note # 49	Check notebook's notes.

EXAMPLE

Get a magnet and some metal things. Use the magnet to sort them. Check which metals have iron. Write or draw the metals in the spaces provided.

Has iron	Does not have iron

COMMENTS

 YOU MUST HAVE YOUR NOTES COMPLETE, NICE AND NEAT IN ORDER TO STUDY. FOCUS ON THE OBJECTIVES OF THIS STUDY GUIDE, NOT ONLY WITH THE EXAMPLES GIVEN.