

Term 3 Test 2017/2018

Science exam

Grade 2

Name : ...Mohammad eyad.....

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Subject: Science

Grade 2D.....

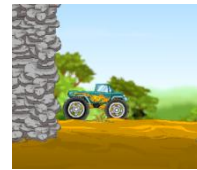
Q1 : Circle the correct answer:



1. Where is the rabbit :

- * below Chair * above Chair * under Chair

2. Motion up and down :



3. An object with a large mass feels :

- * light *Weak *heavy

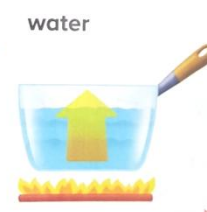
4. Pulley help lift an object up high :



5. When adding heat to Ice It's



*stay ice



* turn to liquid



* turn to a gas

6. Mix of two or more things :



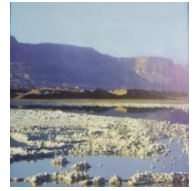
7. Help take apart a mixture of sand and iron fillings :



*magnet

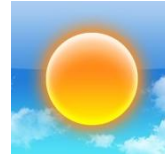


*filter



*evaporated

8. Something that gives off heat when it burns :



*Sun



*Fuel



* Air

9. Tool to measure temperature :



*clock



* ruler



*thermometer

10. We can hear the voice by :



*Ear

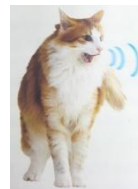


* eye

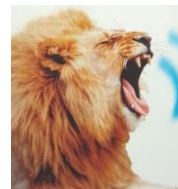


* nose

11. Big vibrations make loud sounds:



*cat meow



*lion roar



*whisper

12. Source of light :



*Lamp

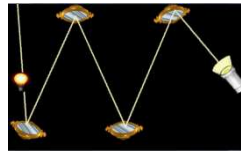


*Sand

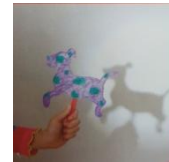


*Stone

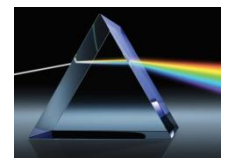
13. Kind of objects make rainbow:



*Light reflect



* Shadow



* Light bend

14. Get electricity from:



*wall



*Battery



* Wood

15. When we hear bus sound the sound moves through by:

*Air

* liquids

* Solid

16. Gold change from a solid to a liquid: * Melt * Evaporate * Condense

Second : Write (Physical Changes – Chemical Changes)



Folding



heating



Rusting



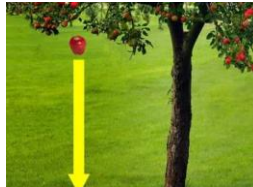
Freeze

Q 2

1. Match between picture and kind of force :



Friction



Force



Gravity

2. Match:



Solid mixture



Solution

3. Write the objects that magnet attracts and does not attract:



Paper bag



Screw



Paper clip



Crayon

Attracts	Does not attract
----- -----	----- -----

4. Circle the correct answer:

1. Which circuit the light goes on :



2. Static electricity :



3. Change electricity into heat :



5. Tick () or () in each sentence:

1. (.....) North poles and south poles is repel from each other.
2. (.....) Some animals move slowly as cheetahs.
3. (.....) Evaporate means to change from liquid to gas.
4. (.....) After a candle burns, the wax will cool and become solid.

Subject: Science
Grade / Level: 2-----

Worksheet: 4
Name:

Q1- Fill in the blanks with attract or repel.

S	N
---	---

N	S
---	---

N	S
---	---

S	N
---	---

S	N
---	---

S	N
---	---

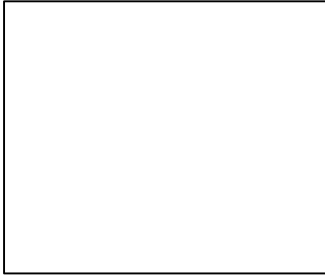
Q2- Complete the table.

Objects	materials	Magnetis ?	
		Yes	No
plastic spoon			
T-shirt			
Wooden table			
Glass cup			
water pipe (steel)			
Floor ceramic			
gold ring			
Aluminuim can			
Eareser			
Iron chair			

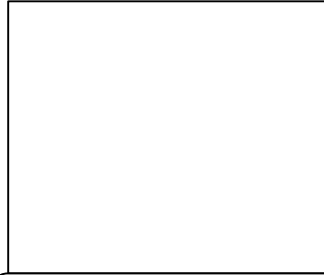
Subject: Science
Grade / Level: 2-----

Worksheet: 4
Name:

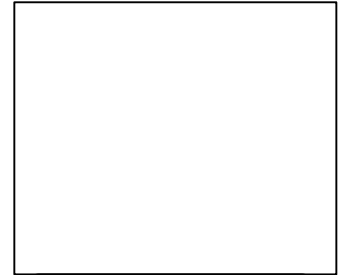
Q3- Magnets come in different shapes. Draw an example in each labeled box.



U- Shape magnet



Horse shoe magnet



Bar magnet

Q4- Tick the boxes to show which things can be picked up with a magnet.



















Our continuous school engagements at all aspects aim at preparing a 21st century learner.
تهدف المدرسة بجميع انشطتها الفردية و الجماعية لإعداد طلاب القرن الواحد و العشرين بتحدياته و متطلباته .

Subject: Science
Grade / Level: 2-----

Worksheet: 1
Name:

Q1- Fill in the blanks.

tap measure	stopwatch	Speed	Position	Motion
-------------	-----------	-------	----------	--------

A- _____ is how far something moves in a certain amount of time.

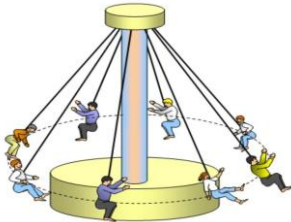
B- _____ is a place where something is.

C- Speed can be measured with a _____ and _____.

D- _____ is a change in position, such as moving up, down or around.

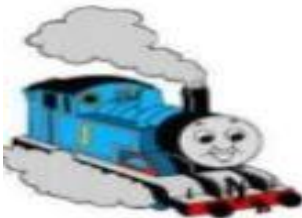
Q2- Identify the type of motion.

Line straight motion	Up and down motion	Round motion
Zigzag motion	Back and forth motion	













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Subject: Science
Grade / Level: 2-----

Worksheet: 1
Name:

Q3- Look at the table below, showing the time taken to travel a distance of 100m by 5 different students in a year 11 class.

Name	Time taken (s)
Jenny	15
Ahmed	12
Kevin	13
Julia	12
Louise	16



- A- Who travelled at the fastest speed? -----
 B- Who travelled at the slowest speed? -----
 C- The student who take 12 seconds. -----

Q4- Using the position words below, complete the following sentences.

on in above next to under On top of

The  is the bed.

The  is the .

The  are the floor.

The  are the bed.

The  is the books.

The  is the .



Motion & Forces



1. Where is the ball in the picture?

- a. On the table b. Beside the table c. Under the table

2. Which shows moving in a round and round motion?



3. Circle which has the fastest speed?



4. Which of these is a push force?



5. What force does the picture show?



- a. Gravity b. Friction c. Magnetism

6. What force does the picture show?



- a. Friction b. Gravity c. Magnetism

7. What force helps a bike to slow down?



- a. Friction b. Magnetism c. Gravity

8. What type of simple machine is this?



- a. Pulley b. Lever c. Wheel and axle

Changes in Matter

1. When a solid changes to liquid it is called?



- a. Evaporating b. melting c. condensation

2. What physical change does the picture show?



- a. evaporation b. freezing c. melting

3. Water freezes at what temperature?

- a. 10°C b. 0°C c. 100°C

4. Water boils and evaporates at what temperature?

- a. 100°C b. 20°C c. 0°C

5. When a water is a solid it is called?



- a. Liquid b. ice c. water vapor

6. What type of a change is happening to the paper?



- a. Physical change b. chemical change

7. When we mix fruit together it is called a _____ ?



- a. Mixture b. Solution

8. When water and salt is mixed it makes a _____



- a. Solution b. Mixture

9. Select which is a chemical change



10. What type of a change is happening to the bananas?



- a. Physical Change b. Chemical change



Chapter 14

OUTCOMES: -Identify a force as a push or a pull, and relate force to motion.
-Describe and relate position and motion
- Define speed using distance and time
-Define common forces, such as magnetism, friction, and gravity

Vocabulary

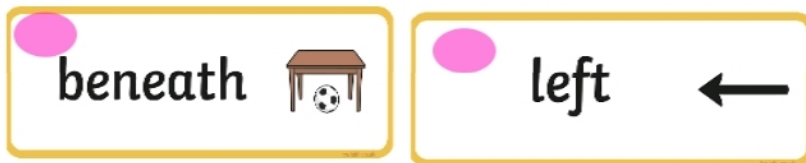
	position the location of an object		simple machine a machine with few or no moving parts
	motion a change in position		lever a straight bar that moves on a fixed point
	force a push or pull; a force can make an object move		screw an inclined plane wrapped into a spiral

Lesson 1 : Position and motion

POSITION: the location of an object.

-you can describe something's position by comparing it to the position of other things.

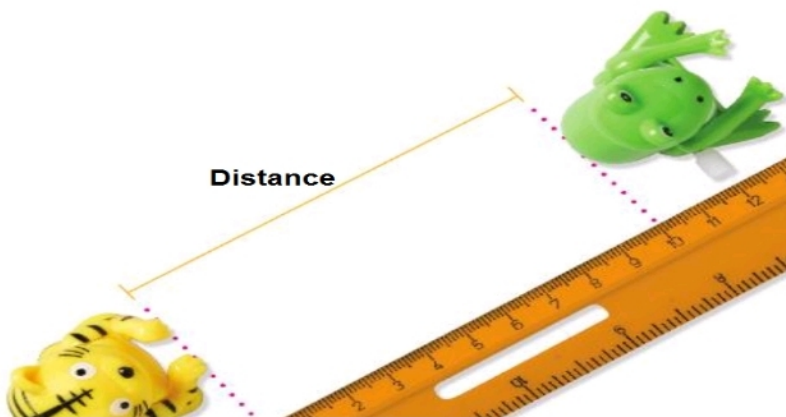
-These words describe the position of an object:



DISTANCE: is the amount of space between two objects or places

-distance is measured in centimeters, meters, or kilometers.

-you can use a ruler or meter stick to measure distance.



Motion: is a change in position.

-types of motion :



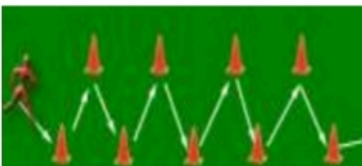
Straight line



Round and round



Back and forth



Zigzag

SPEED: describes how quickly an object moves.

-an object's speed tells how far it will move in a certain amount of time.

-if a car traveled 50 kilometers per hour, its speed was 50 km/h

Lesson 2: Forces

Force: is a push or a pull.

-force can change the motion of objects by:

1-make objects start or stop moving.

2-speed up or slow down moving.

3-change direction.

-it takes more force to move heavy things than light objects.

Types of forces

1-contact force: it happens between objects that touch.



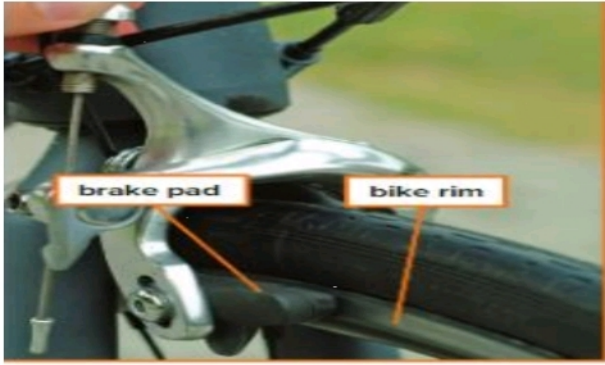
▲ When the bat hits the ball, the ball changes direction.

the bowler must touch the ball to throw it.

Friction is an example of contact force.

Friction:

Is a force that occurs when one object rubs against another, causing them to slow down.

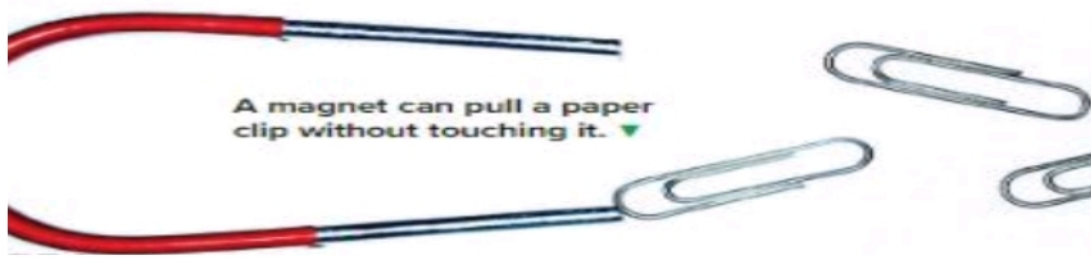
More friction	Less friction
Rough surfaces: such as sandpaper	Smooth surfaces: such as ice
Sticky things Breaks on a bike use rubber pads against the wheel to increase friction	Oil reduces friction on moving parts of machines
 <p>▲ Friction between the brake pad and the bike rim stops the bike.</p>	

2-Non contact force: it is the kind of force that act on an object without touching the object like magnetism and gravity

MAGNETISM:

Is a force that causes magnets to attract or repel each other without touching.

Magnets can attract or repel objects through solids ,liquids, or gases.



Attract	repel
Iron	Wood
Opposite pole of magnets(N-S)	Glass
	Plastic
	rubber

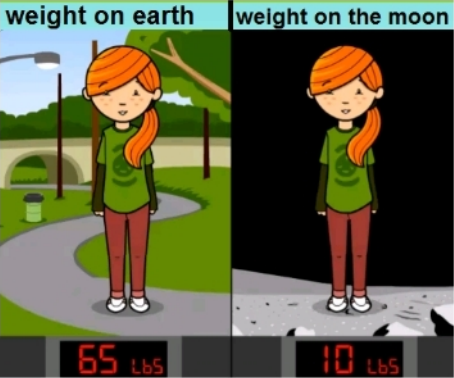
Gravity:

is a pulling force between two objects, such as you and earth.

-gravity pulls through solids, liquids, and gases.

-weight: is a measure of the pull of gravity on an object.

-the more mass an object has, the more gravity pulls on it.

weight	mass
Is a measure of the pull of gravity on an object	Is the amount of mater an object has.
Weight can be different from a place to another	Mass is the same everywhere.
	



Name: _____ Class: _____ Date: _____

Chapter 14: lesson 1+2

Position and motion + forces

- **Outcomes:** Describe and relate position and motion

Define speed using distance and time

Identify a force

Define common forces, such as a push or a pull, magnetism, gravity and friction

QUISTION 1 :Circle the right answer for each question

1-What is the position of the ball?



- a. The ball is on the table.
- b. The ball is under the table.

2-What happens when you hammer a nail?



- a. You are pulling the nail into the wood.
- b. You are pushing the nail into the wood.

3-Which item do you need to use the most force to pick up?



4-Which is the force that slow down moving things?

a. Position

b. Friction

5-Which thing that is usually pushed?



6-Which object will a magnet attract?



7-Which is a FORCE that PULLS objects together?

a. Gravity

b. Weight

8-Using a smoother surface on a playground slide decreases

a. Friction

b. Weight

9-Which sentence is FALSE?

a. All things have mass

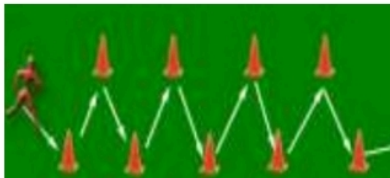
b. Mass is a measure of gravity's pull on an object.

10-The force that slows down the bick when you squeeze the brakes is:

a. Position

b. Friction

QUESTION 2 :Match the right motion to its picture



Round and round

zigzag

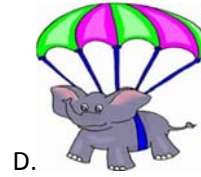
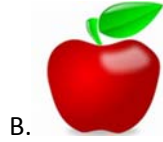
Straight line

Back and forth

Science Exam T3: Grade 2 Mock

1. Which toy can you move by pushing it?

[3]



2. Which object from the picture would fall the fastest?

[3]



3. Which object is **NOT** a natural light?

[3]

- A. moon
- B. sun
- C. mirror
- D. lightning

4. Which is **NOT** a good way to conserve light energy?

[3]

- A. turn off the light when not in the room
- B. turn off the T.V when not watching it
- C. turn off the ipad when not using it
- D. turn on the T.V and go out to play

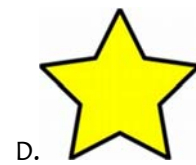
5. Which choice is **NOT** one of our five senses?

[3]

- A. hearing
- B. tasting
- C. lifting
- D. smelling

6. Which source of light do we **NOT** use during the night?

[3]



7. Light travels in straight line called?

[3]

- A). shadow
- B). rays
- C). shape
- D). pictures

8. What sense can you use to describe the picture?

[3]



- A. tasting
- B. smelling
- C. hearing
- D. sound

9. What sense is the boy using to read the book?

[3]



- A. smelling
- B. tasting
- C. seeing
- D. hearing

10. Which picture is a sound made in the **PAST**?

[3]



11. What is the **BEST** word to describe the picture ?

[3]



A. soft

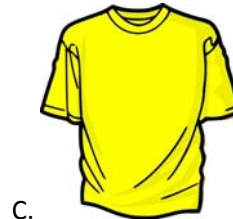
B. flexible

C. heavy

D. shiny

12. Which picture is made from cotton?

[3]



13. What force is the man using to open the jar?

[3]



A. pull

B. push

C. twist

D. pull

14. Choose the **BEST** word to fill in the blank

[3]

Gravity is the force that pulls all objects _____.

A. along

B. push

C. downwards

D. pull

15. What is the **BEST** way to conserve energy?

[3]



A. leave the water running while brushing your teeth



B. turn off the light when you leave the room



C. turn on the A.C and leave the room



D. play outside with friends

16. Which of these tools would you use to cut wood?

[3]

A. knife

B. hammer

C. saw

D. spade

17. What material is this tool made from?

[3]



A. cotton

B. metal

C. polyester

D. sink

18. What is the **BEST** material to build a desk?

[3]

A. paper

B. strong

C. wood

D. strong

19. Which material is heavy, hard and brown?

[3]



20. Which picture is the **BEST** example of gravity making it move?

[3]



21. Draw a line to match the objects with their description.

[16]

Wooden spoon

round and smooth

Drinks can

hard and rough

Mirror

soft and flexible

T-shirt

shiny and flat

22. Name three natural light sources

[12]

1. _____

2. _____

3. _____

23. Label the picture with the correct word

[8]

Stretch more	Strong	Stretch least
---------------------	---------------	----------------------





24. Choose the correct word from the box to match each instrument

[12]

hit	blow	pluck	shake
-----	------	-------	-------







25. Write 2 sounds that helps to keep us safe

[2]

1. _____

2. _____
