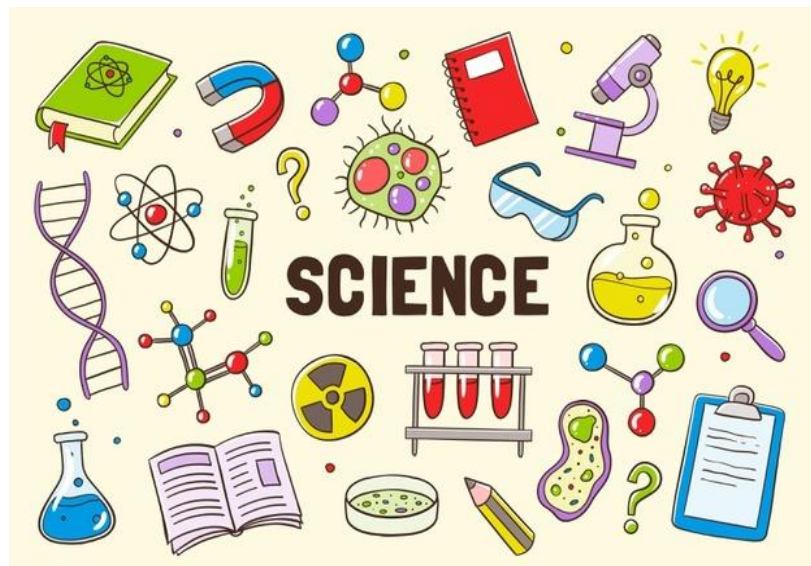


District Public School & College Depalpur

Winter Task with Home Assignments, Work sheets
and Activities

Second Semester

(Academic Session 2020-21)



Subject Science

Class: Two

Student's Name: _____

Father's Name: _____

2nd semester block syllabi (One Class)

Science

(Book and Workbook pages of following topics)

- **Unit 7 Water Weather & Wind**

(book page 34, 35, 38, 39)..(work book page 17, 29)

- **Unit 8 Materials**

(book page 41)..(work book page 20, 21)

- **Unit 9 Forces**

(book page 43, 44, 45)..(work book page 23)

- **Unit 10 Heat and Light**

(book page 46, 47, 49)..(work book page 24)

- **Unit 11 Electricity**

(book page 51, 52, 53, 54, 55)..(work book page 26,
27)

- **Unit 12 Sound**

(book page 56, 57)..(work book page 28, 29)

- **Unit 13 The Solar System**

(book page 60, 61)..(work book page 30)

DAY: Date: 26 NOVEMBER 2020
Wednesday

DAY:

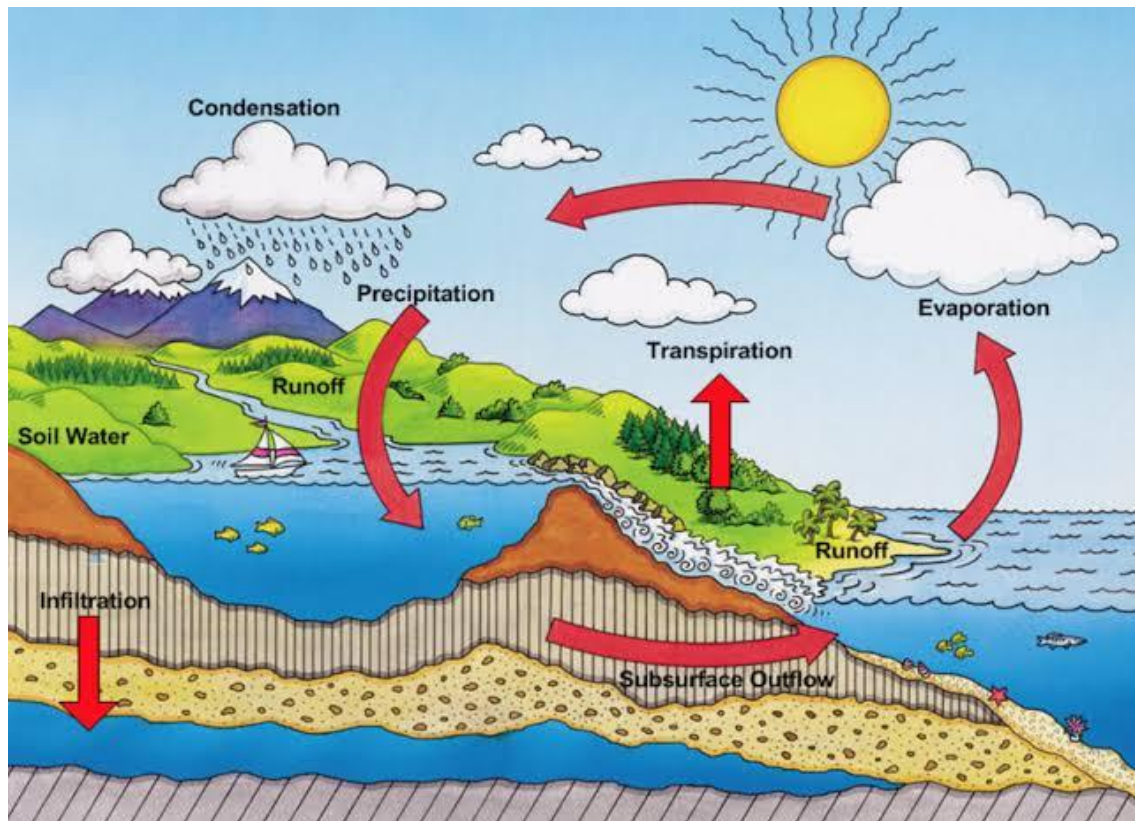
CHAPTER 7

Water Weather & Wind

Topic: Introduction of water cycle

Book page: 34, 35

Learning objective: Student should be able to understand where does water comes from



Question 1

Encircle the correct option

- Three very important thing on earth start with letter:
- (A) W (B) V (C) M (D) A

- Who heats up water:

(A) Moon (B) Sun (C) Flame (D) Clouds

- Run is made of.....?

(A) Ice (B) Water (C) Sun rays (D) Smog

Question 2

Fill in the blanks

- Water is going back into the _____. (Ocean)
- Water from clouds is falling down as _____. (Rain)
- The water in ocean is being _____ by the hot. (Heated Sun)

BOOK PAGE 39

CHAPTER 7 WATER WEATHER AND WIND

Question 3

Answer the Questions:

- What does a water cycle show us?

Answer: The water cycle shows us how the water is heated by the sun and rises in air. When it cools it falls again ground.

Answer: _____

- **What is function of sun in water cycle?**

Answer: Sun heated the water and water rising in air in the form of vapours.

Answer_____

Activity Time:

It does not have to be boiling hot water to rise into the air.

1. Put some water in a cup.
2. Mark the level of the water on the outside of the cup.
3. Leave the cup in the same place and check the water level every day.
4. You should find that water is leaving the cup. It is rising into the air, though you can't see it.

DATE:27 NOVEMBER 2020

DAY: FRIDAY

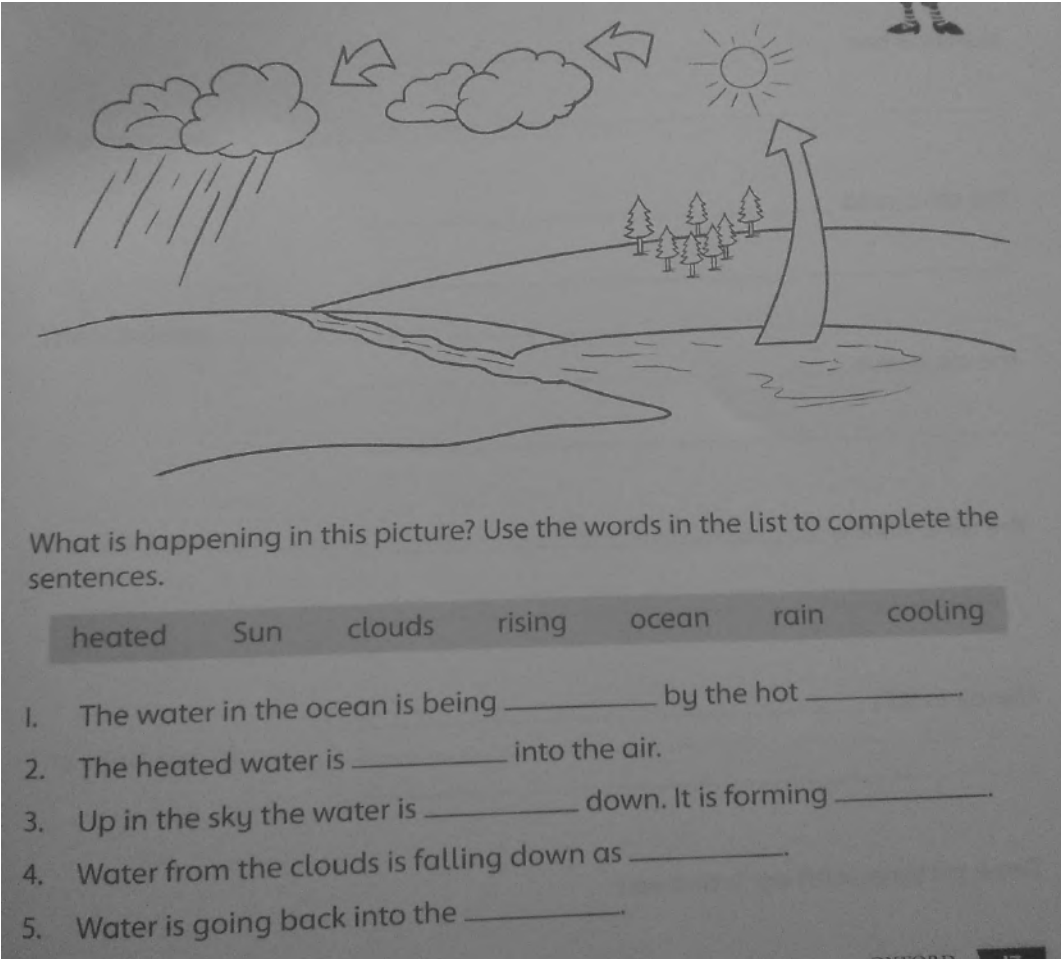
CHAPTER 7

WATER WEATHER AND WIND

Topic: In your home

Work book page 17

Learning Objective: Enable students to solve the work book page by thinking and understanding.



Answer Key: 1) Heated, Sun 2) Rising 3) Cooling, Clouds 4) Rain 5) Oceans

BOOK PAGE 38

CHAPTER 7

Water Weather & Wind

Topic: Introduction of Wind

Learning objective: Student should be able to understand how the wind good or bad.





Question 1

Encircle the correct option

- What is the wind?

(A) **Air** (B) Dust (C) Rain (D) Smog

- Wind can be good or bad:

(A) **Yes** (B) No (C) Both (D) None

- Wind can Spread:

(A) Flowers (B) **Seeds** (C) Cloths (D) Dust

Question 2

Fill in the blanks

- Without rain the air is _____. (Dry)
- Hold on your umbrella in _____. (Wind)
- The sun makes the air _____. (Hot)

DATE: 28 NOVEMBER 2020
SATURDAY

DAY:

BOOK PAGE 39

CHAPTER 7

WATER WEATHER AND WIND

Question 3

Answer the Questions:

- **How can wind be good?**

Answer: It spread seeds so plants can grow.

Answer: _____

- **How can wind be bad?**

Answer: Its cause damage.

Answer_____

- **What different things can the wind do?**

Answer: It can spread seeds, fly kites, dry cloths and cause damage.

Answer_____

DATE: 30 NOVEMBER 2020









DAY: MONDAY

CHAPTER 7

WATER WEATHER AND WIND

Test (An assessment for better understanding)

How is the weather? Listen  and match. 

	● windy
	● snowy
	● sunny
	● warm
	● cold
	● cloudy
	● rainy
	● hot

DATE: 1 DECEMBER 2020
TUESDAY

DAY:

Topic: In your home

Work book page 19

Learning Objective: Students should be able to solve work book page , by thinking and understanding.

What wind can do

What different things can the wind do?

Don't forget to draw pictures with your answers!

The wind can _____

The wind can _____

The wind can _____

The wind can _____

Answer key: 1) Wind can spread seeds so plants can grow. 2) It cause damage. 3) Dry clothes.

4) Fly kites.

DATE: 2 DECEMBER 2020

DAY: WEDNESDAY

BOOK PAGE 40

CHAPTER 8

MATERIALS

Learning Objective: Students should be able to understand what are materials.

Topic: Natural and manmade materials

Question 1

Choose the correct option

- Natural materials obtained from

(A) **Plants and animals** (B) Paper (C) Wood (D) Plastic

- Clay is material

(A) **Natural** (B) Manmade (C) Both (D) None

- Man made materials are changed by

(A) Animals (B) **Humans** (C) Plants (D) Algae

- Nylon can be used to make

(A) Plastic bags (B) Tables (C) **Umbrella** (D) Note book

Question 2

Fill in the blanks

- A bed can be made from_____ (Wood)
- Walls are built by_____ (Bricks and Stones)
- Minerals on Earth are used to make _____ (Saucepans)
- Balloons are made up by _____ (Rubber)
- Lather is a material _____ (Naturals)

DATE: 3 DECEMBER 2020

DAY: THURSDAY

QUESTION 3

Answer the Questions

What are the natural materials?

Answer: Natural Materials come from plants, animals, minerals and rocks.

Answer: _____

What are man-made materials?

Answer: These are also natural materials but have been changed by humans.

Answer: _____

What are materials?

Answer: A material is something that is use to make something.

Answer: _____

DATE: 4 DECEMBER 2020

DAY: FRIDAY

Topic: In your home.

Work book page 20

Learning Objective: Students should be able to solve work book page by, thinking and under

standing.

	paper	bricks	cement	wood	plastic	snow
	water	stone	glass	metal	cloth	juice

1. A book can be made from _____
2. A wall can be made from _____
3. A toy can be made from _____
4. A bed can be made from _____
5. Sunglasses can be made from _____
6. A car can be made from _____
7. A snowman can be made from _____
8. A spaceship can be made from _____
9. An ice lolly can be made from _____
10. Pyjamas can be made from _____

Answer key: 1) Paper 2) Bricks, cement, stone 3) Plastic 4) Wood 5) Plastic, glass
6) Metal, glass 7) Snow 8) Metal, plastic, glass 9) Water 10) Cloth

DATE: 5 DECEMBER 2020
SATURDAY

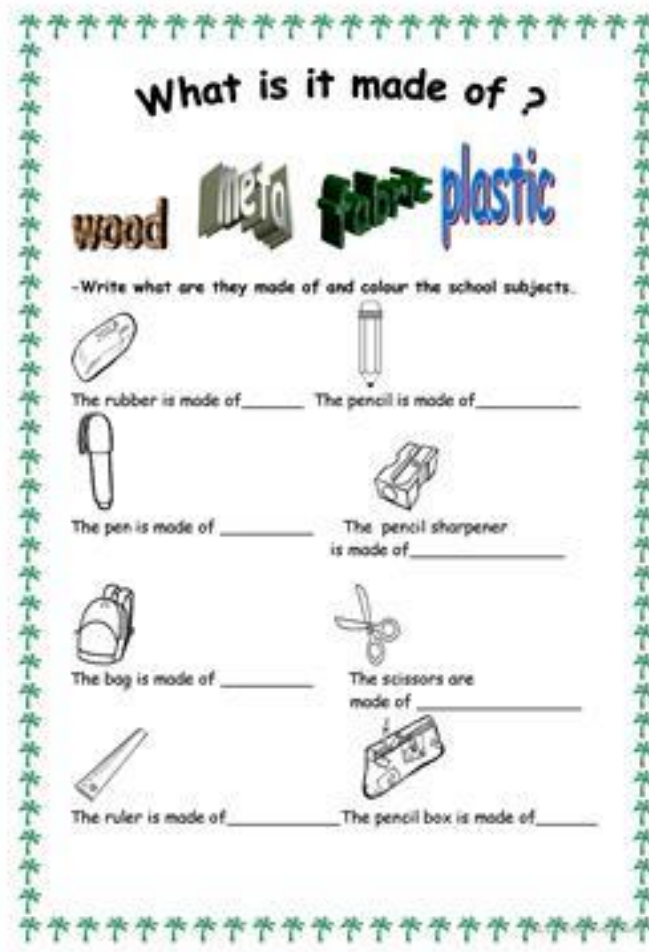
DAY:

CHAPTER 8

MATERIALS

Test (An assessment for better understanding)

Students will tell that what is this made of?



DATE: 7 DECEMBER 2020

DAY: MONDAY

BOOK PAGE 43 44

CHAPTER 9

FORCES

Learning Objective: Students should be able to understand what are forces.

Topic: What are forces?

Question 1

Choose the correct option.

- Forces make things

(A) Move (B) Jump (C) Walk (D) Speak

- Close the fridge door is

(A) Push (B) Pull (C) Bending (D) Tearing

- Breaking something is force

(A) Push (B) Pull (C) Both (D) None

- Water is used to make

(A) Clay (B) Electricity (C) Bend something (D) Breaking something

- When a cricketer hits the ball he is using

(A) Push force (B) Pull force (C) Both (D) None of these

DATE: 8 DECEMBER 2020

DAY: TUESDAY

BOOK PAGE 45

Question 2

Answer the Questions

How does a force act on something?

Answer: Force is push or pull. It acts by changing the direction and shape of something.

Answer: _____

How can we use water and wind to help us?

Answer: Water can be use to produce electricity and wind can help to push sailing boats.

Answer: _____

DATE: 9 DECEMBER 2020

DAY: WEDNESDAY

CHAPTER 9 FORCES

Question 3

Complete the table by ticking the correct box.

	What force are you applying when you:	Pull	Push
1	Unwrap a present		
2	Close the fridge door		
3	Switch channels on the remote control		
4	Take a book out of your bag		
5	Fill a cart with boxes in a supermarket		
6	Hit a football		
7	Switch on the light		

Key words: 1) Pull 2) Push 3) Push 4) Pull 5) Pull 6) Push 7) Push

**DATE: 10 DECEMBER
THURSDAY**

DAY:

CHAPTER 9

FORCES

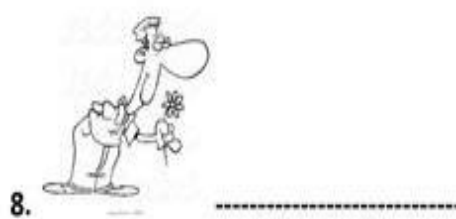
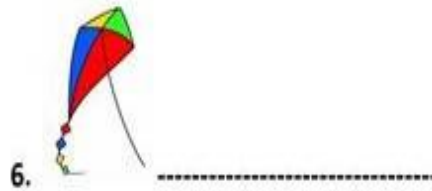
Test (an assessment for better understanding)

Students will tell about push and pull force in this picture.

PUSH and PULL

Push and Pull are forces.

Directions: Look at each picture. Write "Push" if you would like to push to move the object. Write "Pull" if you would pull to move it.



DATE: 11 DECEMBER 2020

DAY: FRIDAY

BOOK PAGE 46 47

CHAPTER 10

HEAT AND LIGHT

Learning objective: Students should be able to understand properties of heat and light.

Topic: Properties of light

QUESTION 1

Choose the correct option.

- A window is a object.

(A) Transparent (B) Translucent (C) Opaque (D) All of these

- Light can pass through

(A) Transparent (B) Translucent (C) Opaque (D) None of these

- Opaque objects

(A) Allow light (B) Do not allow (C) None (D) Both

QUESTION 2

Answer the Questions.

How do heat and light help us?

Answer: Heat and light enable us to see provide with energy keep the Earth warm.

Answer: _____

What are:

Transparent objects?

Opaque objects?

Translucent objects?

Answer: 1) allow light to pass through them.

2) do not allow any light to pass through it.

3) allow some light to pass through it.

Answer: _____

What are properties of light?

It helps us to see.

Help plants produce their own food.

Answer: _____

DATE: 12 DECEMBER 2020

DAY: SATURDAY

CHAPTER 10 HEAT AND LIGHT

ACTIVITY TIME:

COMPLETE THE TABLE BY KEY WORDS.

	Materials	Transparent	Translucent	Opaque
1	Tissue paper			
2	Chart paper			
3	Cloth			

4	Tracing paper			
5	Foil			

KEY WORDS: 1) Translucent 2) Opaque 3) Opaque 4) Translucent 5) Opaque

CHAPTER 10

HEAT AND LIGHT

Topic: In your home

Work book page 24

Learning objective: Students should be able to solve work book page, by thinking and understanding.

Glass is a material. It can be opaque, transparent, or translucent. Can you name two uses of each type? Draw pictures too!

Opaque glass: _____

Transparent glass: _____

Translucent glass: _____

Answer key: 1) Used in offices for privacy.

2) Used in drinking water glass

3) Used in windows, doors and tables.

DATE: 14 DECEMBER 2020

DAY: MONDAY

BOOK PAGE 48 49

CHAPTER 10 HEAT AND LIGHT

Topic: Properties of heat

QUESTION 1

Choose the correct option.

- When heat travels from one object to another it is called

(A) **Conduction** (B) Vaporization (C) Condensation (D) Rain

- Metal is conductor

(A) Bad (B) **Good** (C) Both (D) None of these

- Cloth are conductor

(A) Good (B) **Bad** (C) Both (D) None of these s

QUESTION 2

ANSWER THE QUESTIONS:

1: What name is given to a material that does not allow light to travel through it ?

Answer: Opaque

Answer: _____

2: What name is given to materials that allow some light to travel through it?

Answer: Translucent

Answer: _____

3: What name given to a material that allows all light to travel through it?

Answer: Transparent

4: What is the name given to the process where heat travels from one object to another?

Answer: Conduction

ACTIVITY TIME: Good and bad conductors

- Pour hot water into a glass cup, a plastic cup, and a Styrofoam cup. Touch the outside of each cup. Which is the hottest? Which is the coolest?
- The container that is hottest is the best conductor of heat.

DATE: 15 DECEMBER 2020









DAY: TUESDAY

**CHAPTER 10
HEAT AND LIGHT**

Topic: Test (an assessment for better understanding)

Students will recognize the pictures and will tell about that what picture gives heat and light.

Light and Heat? Light or Heat?
Light and Heat? How is the light created? Is it people made or is it natural?

Neon Sign  Natural or People Made? Light _____ Heat _____	Sun  Natural or People Made? Light _____ Heat _____	TV  Natural or People Made? Light _____ Heat _____
Fireworks  Natural or People Made? Light _____ Heat _____	Firefly  Natural or People Made? Light _____ Heat _____	Stove  Natural or People Made? Light _____ Heat _____
Stars  Natural or People Made? Light _____ Heat _____	Lighthouse  Natural or People Made? Light _____ Heat _____	Fireplace  Natural or People Made? Light _____ Heat _____

DATE: 16 DECEMBER 2020
WEDNESDAY

DAY:

CHAPTER 11

ELECTRICITY

TOPIC: Mains and batteries

Learning objective: Students should be able to understand what batteries do?

QUESTION 1

Answer the Questions:

1: What is meant by mains electricity?

Answer: Electricity from a power station is known as main electricity.

2: What do batteries do?

Answer: Batteries use a small amount of electricity.

ACTIVITY TIME:

- Make a list of all the things in your home that use mains electricity to work.
- Then make a list of all the things in your home that use batteries to work.

Topic: In your home

Work book page 26

Learning objective: Students should be able to understand to solve work book page.

Use the words in the list to complete the sentences below.

hurt	pins	tools	wet	toys	pens	water
------	------	-------	-----	------	------	-------

1. Electricity can _____ you.

2. We must never play with _____ near an electric wire or appliance.

3. We must never stick _____, _____, or _____ into an electric socket.

4. We must never touch a light switch with _____ hands.

Key words: 1) hurt 2) water 3) tools, pens

4) wet

DATE: 17 DECEMBER 2020

DAY: THURSDAY

CHAPTER 11

ELECTRICITY

TOPIC: What electricity enables to do?

Question 2

Answer the Questions:

1:What four things are needed to complete on electrical circuit?

Answer: Switch , Bulb ,Wire ,Batteries.

2: Can you draw a simple circuit?

Answer:

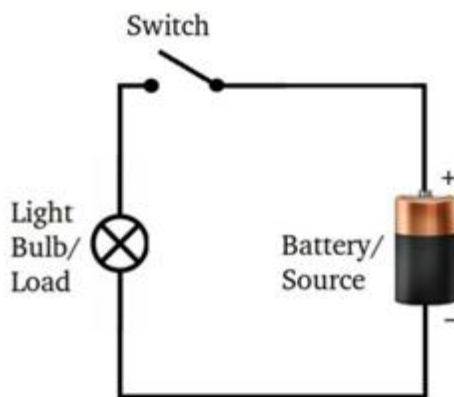


Fig. 3 Basic electrical circuit

ACTIVITY TIME:

- Make a list of all the things in your classroom that need electricity to work.
- Then make a list of all things in your home that need electricity to work.

CHAPTER 11

TOPIC: Fill in the Blanks.

- _____ connects the computer to power supply.
- Some _____ run on electricity to make our work easy.
- Batteries _____ a small amount of electricity.
- We have to be very _____ around electricity as it can be dangerous.
- The electricity that we get from a power station is called _____ electricity.

2: Complete the table by ticking the correct boxes.

	Machines	Runs on electricity	Does not need electricity
1	screw driver		
2	fridge		
3	Toaster		
4	Scissors		
5	fan		

Key Words: 1) b 2) a 3) a 4) b 5) b

DATE: 18 DECEMBER 2020

DAY: FRIDAY

CHAPTER 11

ELECTRICITY

TOPIC: Test (an assessment for better understanding)

Students will tell that what appliances run on electricity and batteries.

Mains Electricity or Batteries

Not all the things below are powered by mains electricity. Some are powered by batteries. Label each picture with 'mains' or 'batteries'.

 _____	 _____	 _____
 _____	 _____	 _____
 _____	 _____	 _____

DATE: 19 DECEMBER 2020
SATURDAY

DAY:

CHAPTER 12 SOUNDS

BOOK PAGE 56 57

Topic: How do we hear sounds?

Learning objective: Students should be able to understand that sound travels in waves and is caused by vibrations.

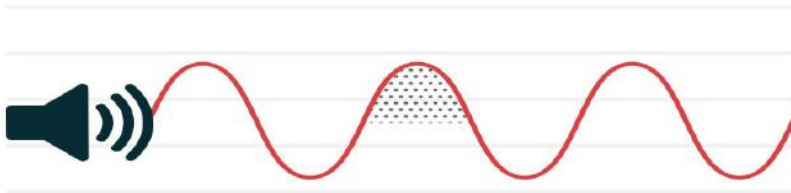
QUESTION 1

Answer the Questions:

1: Draw a sound wave of a very low sound ?

Answer: Have a large gap between each wave.

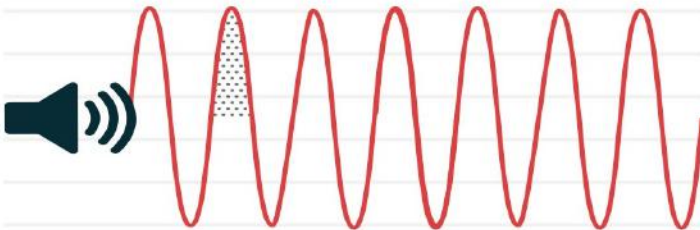
Low Frequency = Low Pitch



2: Draw a sound wave of a very high sound?

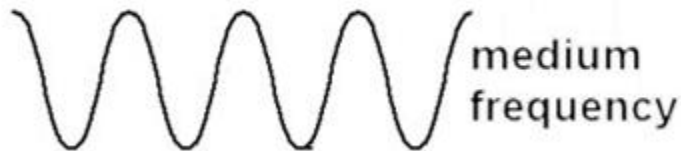
Answer: Have a similar gap between each wave.

High Frequency = High Pitch



3. Draw a sound wave of a medium sound?

Answer: Should be larger than higher.



ACTIVITY TIME:

- If you go to a music concert , try sitting very close to the loud speaker.
- Then move back and sit some distance away.
- Latter, go and sit in the last row.
- Did you notice any difference in the loudness?

DATE: 21 DECEMBER 2020

DAY: MONDAY

Topic: In your home

WORK BOOK PAGE 29

Learning objective: Students should be able to solve work book page.

Across

4. The _____ turns the vibrations into sounds we can hear.
5. Sound vibrations can travel through the air and _____.
6. _____ sound waves have a large gap between them.
7. Sound travels in _____.

Down

1. These are steady movements.
2. _____ sound waves have a large gap between them.
3. Our _____ collect the sound waves.

Answer key: 4) brain 5) water 6) low 7) waves 1) vibrate 2) high 3) ears

DATE: 22 DECEMBER 2020

DAY: TUESDAY

CHAPTER 12
SOUNDS

Topic: Test (an assessment for better understanding)

Students will tell that what things have low sound and what have high sounds.



Date: 23 DECEMBER 2020

DAY: TUESDAY

CHAPTER 13 THE SOLAR SYSTEM

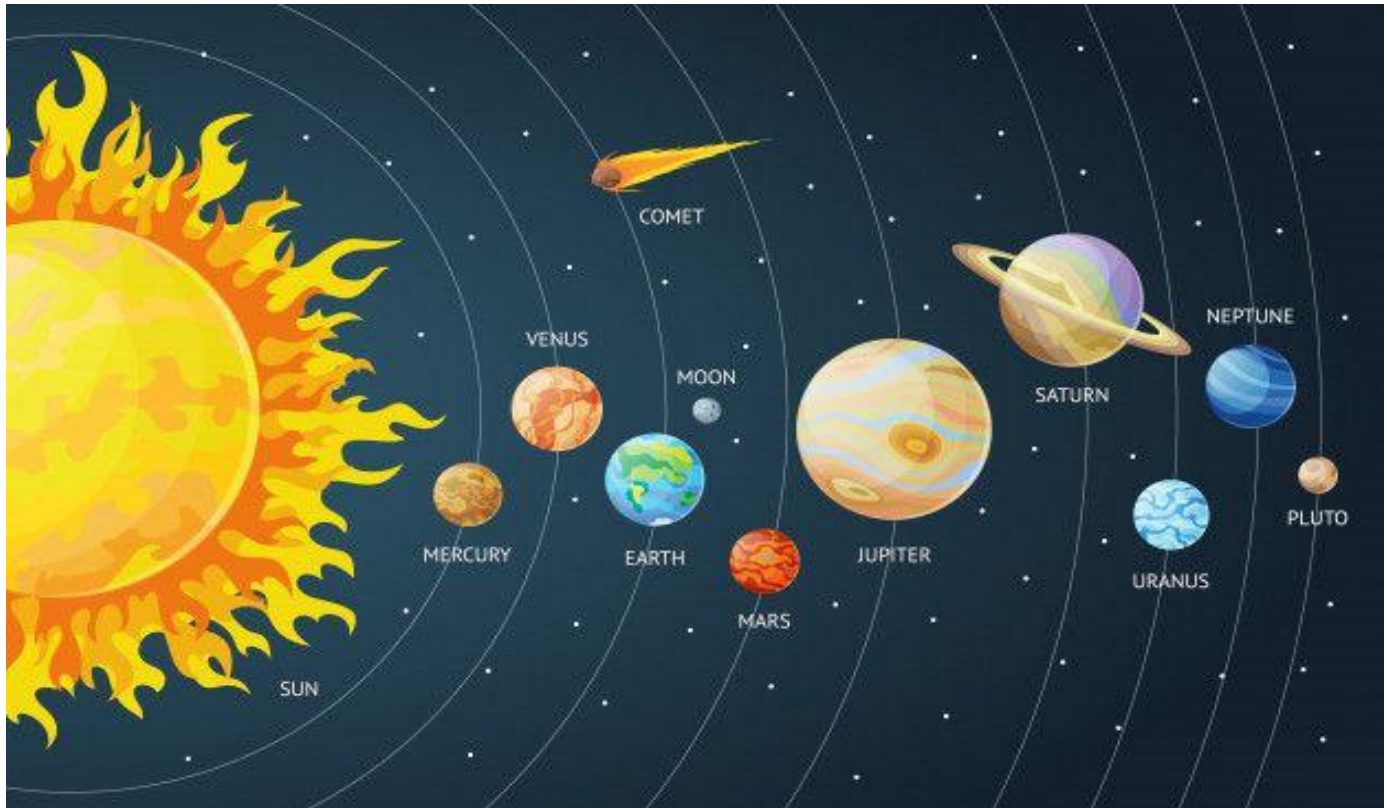
TOPIC: The planets

Learning objective: Students should be able to understand what is the solar system ? Name the planets of our solar system and its position.

QUESTION 1

Fill in the blanks:

- 1: I am only planet in our solar system that has living things on it _____.(Earth)
- 2: I am the biggest planet in the solar system _____. (Jupiter)
- 3: I am the planet most similar to Earth _____. (Mars)
- 4: I am the closest planet to Sun _____. (Mercury)



CHAPTER 13

THE SOLAR SYSTEM

TOIPC: The planets

QUESTION 2

Fill in the blanks:

- 5) I am the farthest planet from the sun _____. (Neptune)
- 6) I am surrounded by rings made from ice and rocks _____. (Saturn)
- 7) I am the coldest planet. _____. (Uranus)
- 8) I am the closest planet to Earth _____. (Venus)

DATE: 24 DECEMBER 2020

DAY: WEDNESDAY

CHAPTER 13 THE SOLAR SYSTEM

Topic: Test (an assessment for better understanding)

Students will label the picture of solar system.

Identify and fill in the names of the planets.

