

Science

Grade 5

Final Revision

1st. Term 2019-2020

Mr. Sherif Hawary

Complete

- 1- Like magnetic poles whereas dislike poles
- 2- Electric generator (dynamo) change into
- 3- Bilharzia worm is named While man called
- 4- Material in which most light can pass through is called
- 5- The magnetic pole that refers to north direction is called
- 6- The interaction between cat and rat is example of relationship
- 7- The relation between honey bees and flowers isrelationship
- 8- The current produced by (dynamo)increase by.....and
- 9- We can separate a mixture of paper clips and flour by
- 10- The ecosystem is area contains and
- 11- There are two types of commensalism are and
- 12- Most light can transmit through materials
- 13- The magnetic force is most powerful (concentrated) at
- 14- is considered a general (common) solvent .
- 15- Prism separate white light into
- 16- The Is the space surrounding magnet in which magnetic force appear
- 17- Mixing and produce magenta light .
- 18- When current pass in a coil around iron nail,the nail becomes
- 19- and are from the shapes of artificial magnet
- 20- materials allow some light to pass through, but materials don't allow light to pass through
- 21- Nodular bacteria benefit from bean plant by getting While plant get from it .

- 22- Shadow is area, formed because light travel in
- 23- and are types of light reflection
- 24- Flaria worm causesdisease, while mosquitoes infect man
with disease .
- 25- Mixtures can be formed by or
- 26- The light reflection on a plane mirror (smooth surface) is called
- 27-The light reflection on a white paper (rough surface) is called
- 28- Substance are made only of one type of particles is called
- 29- Substance are made of different type of particles is called
- 30- Many living organisms defend themselves against enemies as
..... and
- 31- has small light magnet moves freely on axis .
- 32- Light can't transmit through materials
- 33- Magnetic force of electromagnet increase by or
- 34- The relation between mosquitoes and man is
- 35- Light can transmit throughandmaterials
- 36-and increase solubility speed
- 37-and decrease solubility time
- 38- The travelers in desert use a
- 39-and are methods of separating mixtures
- 40- and are ways of self-defense against predation
- 41- and are magnetic materials..... and are non-magnetic
- 42- The main source of light on Earth surface is
- 43- Fungi are from organisms
- 44- and ... are primary colors,and are secondary colors
- 45- Solution is a mixture, consists ofand

- 46- The moon seems luminous, because itsunlight
- 47- Natural magnet is acolor, it known by
- 48- Electromagnet changeenergy intoenergy
- 49- Light is a form of
- 50- A set change mechanical energy into electric energy is
- 51-and are examples of insect eaters plants
- 52- Red apple appear From a red glass, but appear From green one
- 53- The image formed through narrow holes is and
- 54- The sun is the source ofand
- 55- is example of mixtures
- 56- Table salt is produced by of sea water
- 57- The electric current has effect
- 58- Spectrum colors start withcolor and end withcolor .

Write scientific term :

- 1- Darkened area formed when light falls on an opaque object .()
-
- 2- It is the light energy that can be seen . .()
-
- 3- A parasitic worm cause bilharzias is disease . . ()
-
- 4- The materials through which light can't transmit . . ()
-
- 5- The change in the direction of light when it pass from a transparent medium to another transparent medium . . ()
-
- 6- Red, orange, yellow, green, blue, indigo and violet . .()
-
- 7- A disease caused by parasitic ascaris worm . .()

8- The temporary food relationship that end by devouring the prey .()

9- A set that is used for locating the main four directions . .()

10- The substance that is made of only one type of particles . .()

11- A method used to separate a soluble solid material from water . .()

12- The food relationship between insects as bees and flowers of plants .

13- An area where, magnetic force is powerful . . ()

14- Natural area including living organism and non-living things . .()

15- An organism changes its color to simulate the color of the organism (

16- A temporary food relationship, in which an organism predate the other ()

17- The space around a magnet in which the magnetic force appear ()

18- The seven colors which are mixed to form the white light . ()

19- A set used to change the mechanical energy into electric energy .(

20- A mixture formed by adding an amount of sugar to water with stirring(

21- A set that is used to separate water-oil mixture . ()

22- A food relationship in which one organism benefit, while the other (neither gets benefit nor is harmed . ()

23- Materials cannot be attracted to the magnet . ()

24- Living organisms feed on dead bodies . ()

25- The material which lets most light pass through ()

26- The materials that get attracted to the magnet . ()

27- The pouncing of light when it falls on a smooth surface . ()

28- A phenomenon occurs in the sky after raining during a sunny day(

29- A reflection of light on a smooth and shiny reflected surface .()

30- A material, where the light doesn't transmit through it .()

31- The balance among the components of the ecosystem .()

32- A substance that contains more than one type of particles .()

33- A relation between two living organisms, where they benefit from each other ()

34- A food relationship between a cat and a rat . ()

35- The materials which you can see objects clearly behind them .()

36- The phenomenon in which a living organism can change its color to simulate the color of the environment . ()

37- A device which is used to convert the electric energy into magnetic energy ()

38- They are colored that are produced by mixing two of the primary colored lights. ()

39- Reflection of light on the surface of white paper in different directions .()

40- The area of the magnet, where the magnetic force is most powerful . ()

41- A parasite which causes elephantiasis to man . ()

42- The reflection of light rays when they fall on a mirror . ()

43- A mixture formed by mixing vinegar and water . ()

44- One of iron ores which is known as magnetite . ()

45- A temporary relationship between two organisms with a benefit to one and a harm to the other .()

46- A method used to separate a mixture of sand solution . ()

47- A process by which a solute dissolves in a solvent . ()

48- A food relationship between two organisms, one is benefit and the other is harmed.()

What happen

1- Heating salty solution gently ?

2- Adding an amount of sugar to water with stirring ?

3- Dissolving an amount of salt in hot water ?

4- Passing white light through a glass prism ?

5- Moving a wire between two poles of a magnet ?

6- Decomposer, saprophytic , bacteria disappear ?

7- You put north pole of a magnet close to north pole of another magnet ?

8- You suspend a magnet to move freely ?

9- Dissolving carbon dioxide gas in sugary solution ?

10- An electric current passes through a twisted wire around a wrought

iron bar ?

11- Green light strikes a black object ?

12- Mixing red light with green light ?

13- You look at a spoon in a glass of water ?

14- Heating salty water for along time ?

15- A mosquitoes stands on the skin of the human body ?

16- A cuttlefish attacked by predators ?

17- Mixing red light with blue light ?

18- Mixing green light with blue light ?

19- Seven spectrum colors are mixed together ?

Give Reason

1- A mixture of sand and iron filings can be separated easily ?

.....

2- The magnet attracts iron, but it does not attract copper ?

.....

3- The chalk appears white, while the board appears black ?

.....

4- The rainbow appears in the sky after heavy rainfall ?

.....

5- Chameleon simulate the color of the surrounding environment ?

.....

6- Seeing the spoon bending = broken in a cup of water ?

.....

7- Some bees look like wasps in forming lines on their bodies ?

.....

8- Copper is a non-magnetic material ?

.....

9- Decomposers are important for the nature ?

.....

10- The compass is an important tool for travelers ?

.....

11- The formation of inverted image through narrow holes ?

.....

12- The green glass window seems green ?

.....

13- Magenta is called a secondary colored light ?

.....

14- Object's shadow is formed ?

.....

15- Moon seems luminous ?

.....

16- Predation is a temporary food relationship ?

.....

17- The formation of spectrum colors ?

.....

18- Some harmless living organisms imitate other living organisms ?

.....

19- Aluminum foil is an opaque material ?

.....

20- Mineral water is considered a mixture ?

.....

21- We can see objects clearly behind a glass sheet ?

.....

22- Green plants are self feeding = autotrophic organism ?

.....

23- Tape worm is a parasite ?

.....

24- A tissue paper is semi-transparent material ?

.....

25- The electromagnet is very important ?

.....

26- Some plants are known as insectivorous plants ?

.....

27- The presence of battery in the electromagnet is important ?

.....

28- Saprophytic organisms are decomposers ?

.....

29- We see the white object as it is ?

.....

30- Dissolving 50 gm. of sugar in one liter of water is faster than in half liter of water ?

.....

Mention one function ?

Prism :

.....

Compass :

.....

Dynamo :

.....

Electromagnet :

.....

.....

.....

Laser light :

.....

Give one Example for :

Predation:

Mutalism:

Commensalism:

External parasites:

Internal parasites :

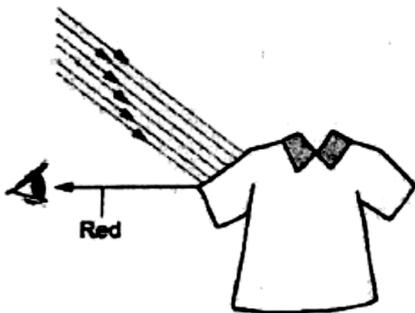
Mimicry:

Camouflage:

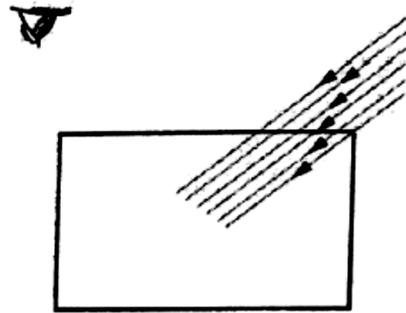
Saprophytes:.....

Problems :

[B] What is the colour of the body in each case ... ?



1.



2.

[B] Study the following figures, then :

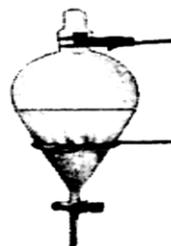


Figure (A)

- The figure represents the
- Function

Study the following figures, then :

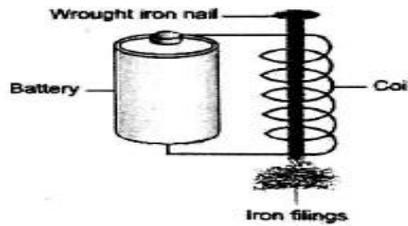
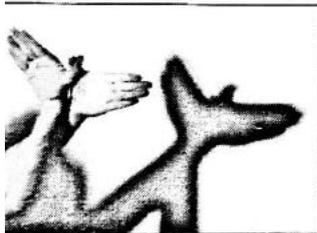


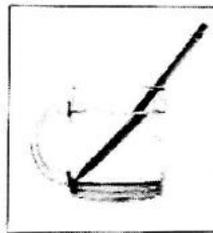
Figure (B)

- The figure represents the
- Function

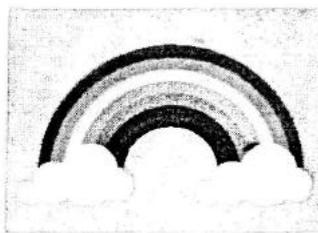
[A] Choose the correct answer for the following diagrams, then complete the following sentences :
(Light reflection – Rainbow – Light refraction – U shape magnet – Shadow)



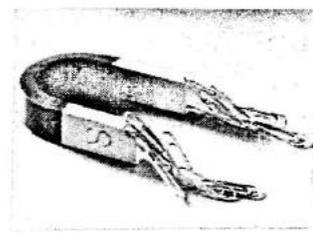
a.



b.



c.



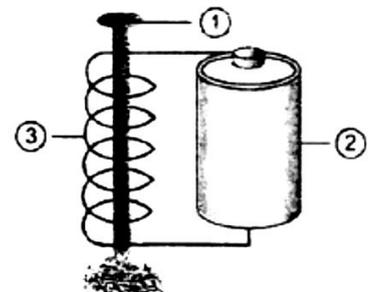
d.

Look at the opposite figure then answer :

1. The figure represent

2. Label the figure :

- ①
- ②
- ③



Complete

- 10- Like magnetic p **Repel** whereas dislike p **Attract** ...
- 11- Electric generator (dynamo) cha **kinetic** **electric**
- 12- Bilharzia worm is name **parasit** While man ca **Host**
- 13- Material in which most light can pass through is call **transparent**
- 14- The magnetic pole that refers to north direction is c **North pole**
- 15- The interaction between cat and rat is **predation** of
relationship
- 16- The relation between honey bee **Mutualism** flowers is
.....relationship
- 17- The electric current produced by electric generator (dynamo)
increase by **Increase the number of turns** or **Increase the motion of coil**
- 18- We can separate a mixture of paper clips and flo **magnet** ...
- 10- The ecosystem is **natural** area contains **Living** and **Nonliving**
- 11- food relationship between sponge and tiny aquatic organisms is **commensalism**
- 12- Most light can transmit through **transparent** materials
- 13- The magnetic force is most powerful (concentrated) at **The two poles**
- 14- ... **water** . is considered a general (common) solvent .
- 15- Prism separate white light into **Seven colours**
- 16- The **Magnetic field** Is the space surrounding magnet in which
magnetic force appear .
- 17- Mixing .. **red** .. and .. **blue** . produce magenta light .
- 18- When electric current pass in a coil around iron nail,
the nail becomes ...**magnet**.....
- 19- ...**bar** magnet. and **horse shoe**. are from the shapes of artificial magnet
- 20- **semi transparent** materials allow some light to pass through, but
Opaque materials don't allow light to pass through

- 21- Nodular bacteria benefit from bean plant by getting **food**
While plant get ...**nitrogen**... from it .
- 22- Shadow is **dark** area, formed because light travel in **straight lines**
- 23- **regular** and **irregular** are types of light reflection
- 24- Flaria worm causes **elephantiasis** disease, while mosquitoes infect man with **malaria** disease .
- 25- Mixtures can be formed by **stirring** or **shaking**
- 26- The light reflection on a plane mirror (smooth surface) is called **regular**
- 27- The light reflection on a white paper (rough surface) is called **irregular**
- 28- Substance are made only of one type of particles is called **pure substance**
- 29- Substance are made of different type of particles is called **mixture**
- 30- Many living organisms defend themselves against enemies as
Chameleon(frog) and **bee**
- 31- **small dynamo** has small light magnet moves freely on axis .
- 32- Light can't transmit through **opaque** materials
- 33- Magnetic force of electromagnet increase by **increase batteries** or **increase number of turns**
- 34- The relation between mosquitoes and man is **parasitism**
- 35- Light can transmit through **transparent** and **semitransparent** materials
- 36- **heating** and **stirring** increase solubility speed
- 37- **heating** and **stirring** decrease solubility time
- 38- The travelers in desert use a **compass**
- 39- **filtration and evaporation** are methods of separating mixtures
- 40- **camouflage** and **mimicry** are ways of self-defense against predation
- 41- **iron** and **nickel** are magnetic materials
wood and **plastic** are non-magnetic materials
- 42- The main source of light on Earth surface is **sun**
- 43- Fungi are from **saprophytes** organisms

- 44- **red** and **blue** are primary colors **magenta** and **yellow** are secondary colors
- 45- Solution is a **homogenous** mixture, consists of **solvent** and **solute**
- 46- The moon seems luminous, because it **reflect** sunlight
- 47- Natural magnet is a **black** color, it known by **magnetite**
- 48- Electromagnet change **electric** energy into **magnetic** energy
- 49- Light is a form of **energy**
- 50- A set change mechanical energy into electric energy is **dynamo**
- 51- **halophila** and **Dionaea** are examples of insect eaters plants
- 52- Red apple appear **red** From a red glass, but appear **black** from a green glass .
- 53- The image formed through narrow holes is **inverted** and **small**
- 54- The sun is the source of **heat** and **light**
- 55- **salty water** is example of mixtures
- 56- Table salt is produced by **evaporation** of sea water
- 57- The electric current has **magnetic** effect
- 58- Spectrum colors start with **red** color and end with **violet** color .

Write scientific term :

- 10- Darkened area formed when light falls on an opaque object
.shadow
- 11- It is the light energy that can be seen .visible spectrum
- 12- A parasitic worm cause bilharzias is disease .bilharzia worm
- 13- The materials through which light can't transmit .opaque
- 14- The change in the direction of light when it pass from a transparent medium to another transparent medium .light refraction
- 15- Red, orange, yellow, green, blue, indigo and violet .spectrum colors
- 16- A disease caused by parasitic ascaris worm .anaemia
- 17- The temporary food relationship that end by devouring the prey
.predation
- 18- A set that is used for locating the main four directions .compass
- 10- The substance that is made of only one type of particles .pure substance
- 11- A method used to separate a soluble solid material from water
.evaporation
- 12- The food relationship between insects as bees and flowers of plants .mutualism
- 13- An area where, magnetic force is powerful .magnetic field
- 14- Natural area including living organism and non-living things .ecosystem
- 15- An organism changes its color to simulate the color of the environment . chameleon
- 16- A temporary food relationship, in which an organism predaes the

other .**predation**

17- The space around a magnet in which the magnetic force appear .**magnetic field**

18- The seven colors which are mixed to form the white light .**spectrum colors**

19- A set used to change the mechanical energy into electric energy .**dynamo**

20- A mixture formed by adding an amount of sugar to water with stirring .**homogenous mixture**

21- A set that is used to separate water-oil mixture .**separating funnel**

22- A food relationship in which one organism benefit, while the other neither gets benefit nor is harmed . **commensalism**

23- Materials cannot be attracted to the magnet . **non-magnetic**

24- Living organisms feed on dead bodies . **saprophytes**

25- The material which lets most light pass through and objects can be seen clearly through it . **transparent**

26- The materials that get attracted to the magnet .**magnetic material**

27- The pouncing of light when it falls on a smooth surface .**light reflection**

28- A phenomenon occurs in the sky after raining during a sunny day .**rainbow**

29- A reflection of light on a smooth and shiny reflected surface .**regular reflection**

30- A material, where the light doesn't transmit through it .**opaque**

31- The balance among the components of the ecosystem .**environmental balance**

32- A substance that contains more than one type of particles .**mixture**

33- A relation between two living organisms, where they benefit from each other . **mutualisms**

34- A food relationship between a cat and a rat . **predation**

35- The materials which you can see objects clearly behind them
.transparent

36- The phenomenon in which a living organism can change its color to simulate the color of the environment . **camouflage**

37- A device which is used to convert the electric energy into magnetic

energy . **electromagnet**

38- They are colored that are produced by mixing two of the primary colored lights. **secondary colors**

39- Reflection of light on the surface of white paper in different directions .**irregular reflection**

40- The area of the magnet, where the magnetic force is most powerful .**magnetic field**

41- A parasite which causes elephantiasis to man . **filaria**

42- The reflection of light rays when they fall on a mirror .**regular reflection**

43- A mixture formed by mixing vinegar and water .**homogenous**

44- One of iron ores which is known as magnetite .**natural magnet**

45- A temporary relationship between two organisms with a benefit to one and a harm to the other .**parasitism**

46- A method used to separate a mixture of sand solution .**filtration**

47- A process by which a solute dissolves in a solvent .**solubility**

48- A food relationship between two organisms, one is benefit and the other is harmed .**parasitism**

Correct

1- Mosquitoes infect man with small pox disease . **malaria**

2- Saprophytism takes place between insects and flower .**mutualism**

3- Bilharzia and ascaris are external parasite **internal**

4- Magnetic force is concentrated at the middle of the magnet. **two poles**

- 5- Insectivorous plants obtain protein from photosynthesis process. **insect eating**
- 6- The relation between insects and flowers is symbiosis. **mutualism**
- 7- The bread mold fungus is a predator. **Saprophyte**
- 8- The opaque materials allow most light to pass through. **Transparent**
- 9- A beam of light is refracted when it fall on a plane mirror. **Reflected**
- 10- Commensalism ends by killing or devours one organism. **predation**
- 11- If you look at banana through green glass, it seems yellow. **Black**
- 12- Solubility speed decrease by shaking and temperature . **increase**

- 13- The electromagnet change kinetic energy into electric energy . **dynamo**
- 14- Magnetite is an artificial magnet . **natural**
- 15- We use evaporation to separate mixture contain precipitate. **Filtration**
- 16- The materials that attracted to magnet is electric material. **Magnetic**
- 17- The lowest magnetic force is concentrated at two poles. **most**
- 18- Visible spectrum is made of six colors. **Seven**
- 19- Spiders infect man with malaria . **mosquito**
- 20- The motor use to identify the main four directions. **Compass**
- 21- Fungi that feed on dead bodies is parasitism. **saprophyte**
- 22- Parasite organize the number of preys. **Predation**
- 23- Natural magnet is one of iron ores known as cobalt. **Magnetite**
- 24- A mixture of sand and iron can be separated by evaporation. **magnet**
- 25- Cyan is produced from mixing red and green colored lights. **yellow**
- 26- Mixture of sugar and water is a heterogeneous . **homogeneous**
- 27- Aluminum gets attracted to magnet . **iron**

What happen

10- Heating salty solution gently ?

Water evaporate, and salt remain

11- Adding an amount of sugar to water with stirring ?

Sugar will dissolve in water

12- Dissolving an amount of salt in hot water ?

A homogenous mixture is formed

13- Passing white light through a glass prism ?

It will be split into seven colors

14- Moving a wire between two poles of a magnet ?

An electric current produce

15- Decomposer, saprophytic , bacteria disappear ?

The bodies of dead animals spread on earth surface

16- You put north pole of a magnet close to north pole of another magnet ?

The will repel each other

17- You suspend a magnet to move freely ?

It take a fixed directions north and south directions

18- Heating a participated **H**مترسب sugary solution ?

The participated sugar will be dissolved

10- An electric current passes through a twisted wire around a wrought iron bar ?

the wrought iron will change into magnet

11- Green light strikes a black object ?

The black object absorbs the green light

12- Mixing red light with green light ?

Yellow light is formed

13- You look at a spoon in a glass of water ?

It appears broken

14- Heating salty water for along time ?

Water evaporate and salt remain

15- A mosquitoes stands on the skin of the human body ?

It may causes malaria disease

16- A cuttlefish attacked by predators ?

Will eject a black fluid to hide

17- Mixing red light with blue light ?

Magenta light is formed

18- Mixing green light with blue light ?

A cyan light is formed

19- Seven spectrum colors are mixed together ?

White color is formed

Give Reason

10- A mixture of sand and iron filings can be separated easily ?

Because it can be separated by magnet

11- The magnet attracts iron, but it does not attract copper ?

Because iron is magnetic substance while copper non-magnetic

12- The chalk appears white, while the board appears black ?

Because white reflect all colors while black absorb all colors

13- The rainbow appears in the sky after heavy rainfall ?

Due to the refraction of light in water drops of rain

14- Chameleon simulate the color of the surrounding environment ?

To hide from enemies

15- Seeing the spoon bending = broken in a cup of water ?

Due to light refraction

16- Some bees look like wasps in forming lines on their bodies ?

To fare their enemies

17- Copper is a non-magnetic material ?

Because it doesn't attract to magnet

18- Decomposers are important for the nature ?

Because it feeds on food remains and the bodies of dead animals

10- The compass is an important tool for travelers ?

Because it indicates the four directions

11- The formation of inverted image through narrow holes ?

Because light travel in straight lines

12- The green glass window seems green ?

Because it absorbs all colors except green pass

13- Magenta is called a secondary colored light ?

Because it formed from the mixing of two primary colors

14- Object's shadow is formed ?

Because light travel in straight lines

15- Moon seems luminous?

Because it reflects sun light

16- Predation is a temporary food relationship ?

Because it ends by devouring the prey

17- The formation of spectrum colors ?

Because white light consists of seven colors

18- Some harmless living organisms imitate other living organisms ?

To frighten their enemies and scape from them

19- Aluminum foil is an opaque material ?

Because it doesn't allow light to pass through

20- Mineral water is considered a mixture ?

Because it consists of more than one type of matter

21- We can see objects clearly behind a glass sheet ?

Because glass is a transparent material

22- Green plants are self feeding = autotrophic organism ?

Because it makes its own food by photosynthesis process

23- Tape worm is a parasite ?

Because it harms its host and causes diseases

24- A tissue paper is semi-transparent material ?

Because it allows some of light to pass through

25- The electromagnet is very important ?

Because it is used to lift heavy iron blocks and making many devices as electric bell

26- Some plants are known as insectivorous plants?

Because it devours insects to get protein

27- The presence of battery in the electromagnet is important ?

Because battery is the source of electric current

28- Saprophytic organisms are decomposers?

Because it decomposes the bodies of dead animals

29- We see the white object as it is ?

Because it reflects all colors fall on it

30- Dissolving 50 gm. of sugar in one liter of water is faster than in half liter of water ?

because when the amount of solvent increases the solubility process increase

Mention one function :

Prism :

It Separates of white light into seven spectrum colors

Compass :

Determine (find) 4 main directions

Dynamo :

- Change kinetic energy to electric energy or
- Generate electricity to light cities or operate factories

Electromagnet :

- Making winches (cranes)
- Making mixer
- Making electric bell
- Making T.V
- Change electric energy into magnetic energy

Laser light :

Used in Communication –Medicine – Computers

Give one Example of Each of the following:

Predation: rat and cat, tiger and deer

Mutalism: The relation between Nodular bacteria and leguminous plants, Relationship between Insects and flowers of plants

Commensalism: Relationship between Hippopotamus and some birds

External parasites: Mosquitoes, Lice, Fleas

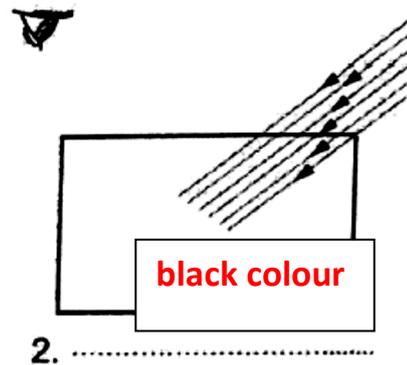
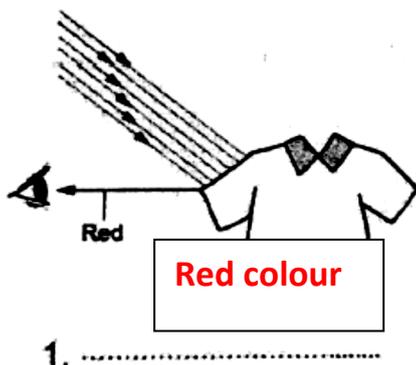
Internal parasites : Bilharzias worms, Flaria worms, Tape worms and Ascaris worms

Mimicry: Some bees look like wasps

Camouflage: Butterfly, Frog, Chameleon and Cuttlefish (sepia)

Some butterflies have mould fungus mushroom fungus

[B] What is the colour of the body in each case ... ?



[B] Study the following figures, then : الشبث ده موجود في تطبيق Mr.Science على البلاؤ

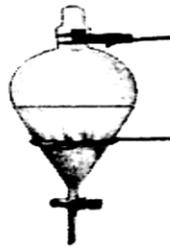


Figure (A)

- The figure represents the

Separating funnel

- Function

Separate heterogenous solution

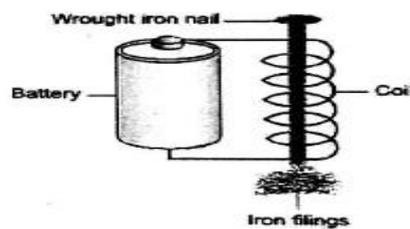


Figure (B)

- The figure represents the

Electro magnet

- Function

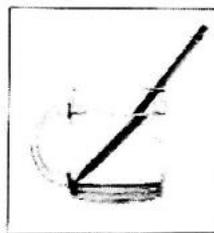
Change electric energy into magnetic

[A] Choose the correct answer for the following diagrams, then complete the following sentences :

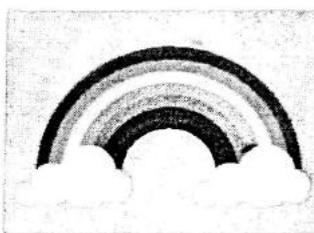
(Light reflection – Rainbow – Light refraction – U shape magnet – Shadow)



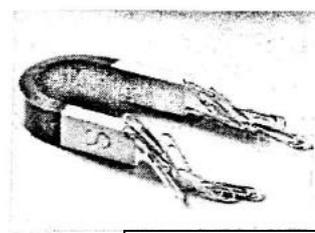
a. **shadow**



Light refraction



c. **rainbow**



d. **U shape magnet**

Look at the opposite figure then answer :

1. The figure represent

The electromagnet

2. Label the figure :

①

Wrought iron

②

Battery

③

Coiled copper wire

