

P.7 INTEGRATED SCIENCE
COMPETENCE BASED REVISION WORK SET ONE

Name _____

School _____

Index No _____

1. Given the following materials; small polythene bag, loam soil, bean seeds and a watering can

(a) Name the group of crops to which beans belong

(b) what is the importance of the importance of a small polythene bag in the above project?

(c) After placing seeds in the soil in a small polythene bag, write down 4 other events that occur to a seed in the soil during germination. (02marks)

(i) _____

(ii) _____

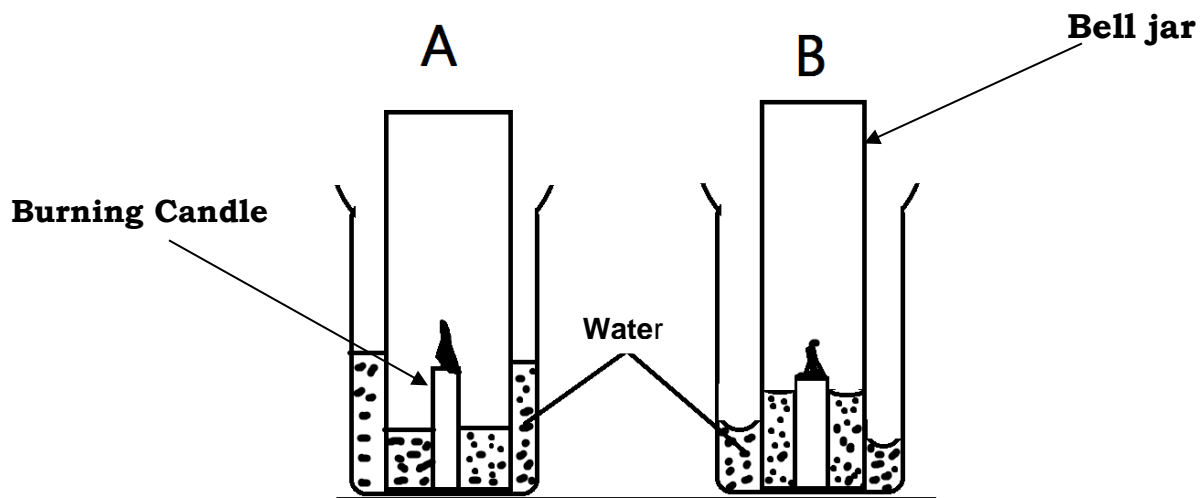
(iii) _____

(iv) _____

2. The experiment below was done by a Primary Five class.

study it carefully to answer the question that follow

burning. Candle



(a) What does the above experiment prove?

(b) Why did the candle flame go off in B ?

(c) State the reason why the level of water rose inside the bell jar in B.

(d) Mention the gas that builds up inside B when the candle stops burning,

3 (a) Give the meaning of the term magnet

(b) You are provided with the following items;

Bar magnet, iron filings and a white paper.

Describe how you can use the items above to make an experiment to show lines of force of

magnet (03marks)

4. You are provided with the following items; a bar magnet, plastic bottle and small pins.

Describe how you can use the items to show that magnetism can pass through nonmagnetic

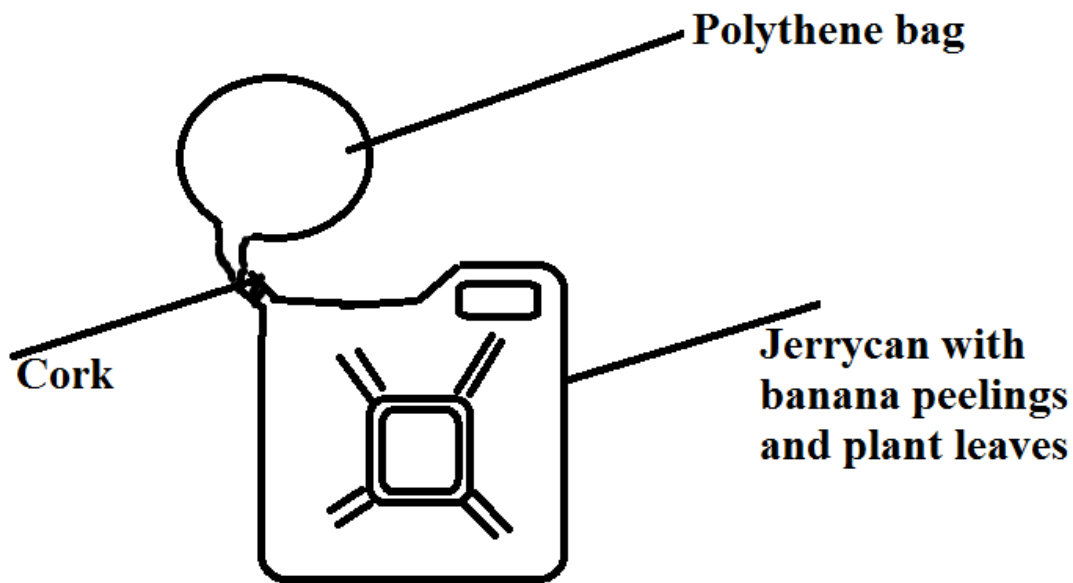
Materials, (03 marks)

___ END ___

P.7 INTEGRATED SCIENCE
COMPETENCE BASED REVISION WORK SET TWO

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1. The diagram bellow shows an experiment carried out by a P.7 class where banana peelings and plant leaves were Put in a twenty Litre jerry can with some Little water for more than three weeks and the gas produced was collected in the polythene bag fixed at its top



- (a) Which gas is produced during the experiment?

- (b) State the reason why the jerry can was tightly covered with a cork at its opening,

- (c) What scientific name is given to a jerry can as a container used in the above experiment.

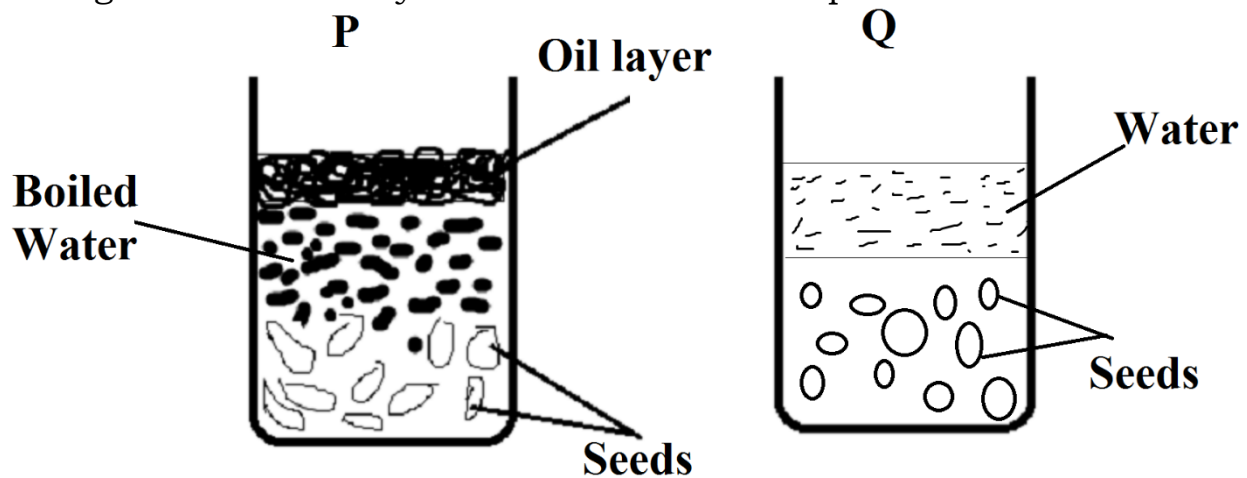
- (d) How can the wastes of the above process be useful to a crop farmer?

- (e) _____

2. (a) Name the gas used to put out fire.

(b) Given the fire extinguisher, describe the steps one can take to put out petrol fire using Fire extinguisher. (03 marks)

3. The experiment below was carried out by a P.7 class about germination. study it and use it to answer questions that follow.



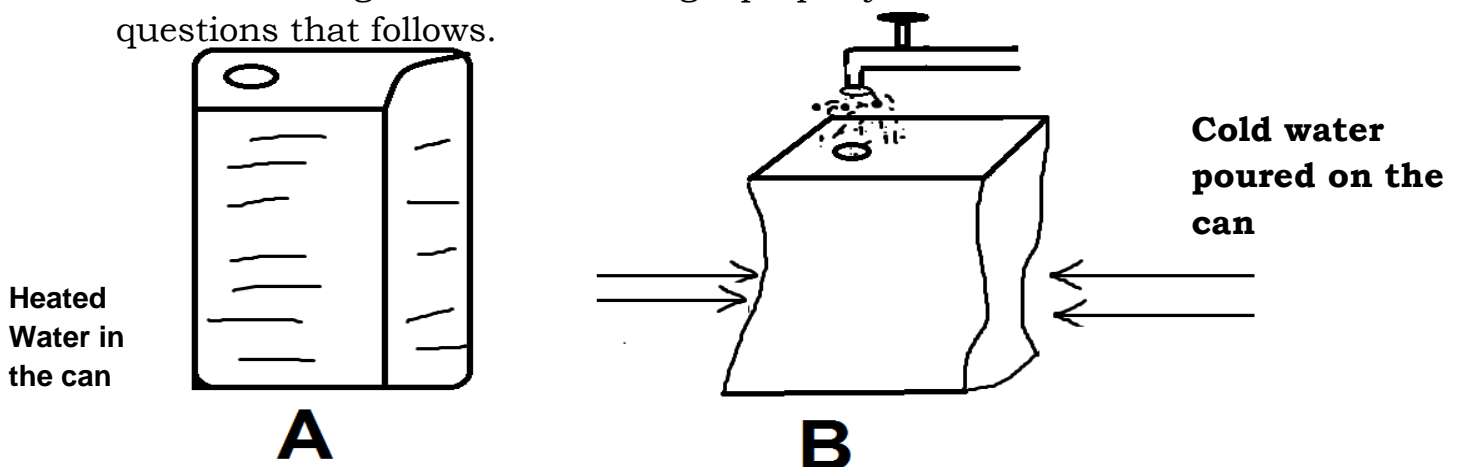
(a) In which container did the seeds germinate?

(b) Why was the water in P boiled?

(c) State the role of the oil layer in container P,

(d) What does the above experiment prove about germination?

4. Use the diagram below showing a property of matter and answer questions that follows.



(a) What does the experiment above show about matter?

(b) Identify the force indicated by the arrows in diagram B,

(c) Why did the can in B crash inside?

(d) Apart from the above, state any other property of matter.

P.7 INTEGRATED SCIENCE
COMPETENCE BASED REVISION WORK SET THREE

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1 You are provided with the following materials.

- Passion fruits
- Sieve
- Clean boiled water
- Clean container's
- Glass

After washing the hands with clean water, write 4 steps you would take to prepare fruit juice at home using the above materials. (04marks)

- (i) _____
(ii) _____
(iii) _____
(iv) _____

2. You are provided with the following materials; State how you would prepare a local dish at home using the following materials", Saucepan, heat, table salt, fresh banana leaves and peeled Matooke. (04marks)

- (i) _____
(ii) _____
(iii) _____
(iv) _____

3. You are provided with the following materials; A quarter Kg of millet, 1/2kg of cassava flour, water, mingling stick and Saucepan, after putting water in a saucepan and boiling it. Write 4 other steps you will follow to prepare Millet at home (04marks)

- (i) _____
(ii) _____
(iii) _____
(iv) _____

- 4.** You are provided with the following materials", Half kg of maize flour, water, mingling stick and a sauce pan. After putting water in a saucepan and boiling it, write 4 other steps you will follow to prepare Posho at home. (04 marks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

END

P.7 INTEGRATED SCIENCE
COMPETENCE BASED REVISION WORK SET FOUR

Name _____

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1. a. Name the structure where utensils are placed at home for proper drying.

- b. You are provided with the following materials in clean water, soap, saucepan and dish sponge.

After pouring water in a saucepan, write down 3 other steps you would take to wash utensils at home using the above materials.

(03marks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

2. You are provided with the following materials Fresh cow dung, water and biogas digester.

Describe how you can produce biogas using the items above: (4marks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

- 3 (a) Name any one units in which temperature is measured.

- (b) Explain briefly one way in which a thermos flask is able to maintain temperature of hot Liquids kept inside it, (2marks)

- (c) Apart from loosely fixed cork, state any one factor that may fail a thermos flask to function.

4 Obua wanted to carry out an experiment to show water cycle. she had the following materials for the experiment, a kettle, charcoal stove, bottle, and retort stand.

(a) Name one material Obua forgot to include on the list of materials.

(b) What is the use of charcoal stove in the experiment?

(c) Describe how Obua will carry out an experiment to show water cycle. (2marks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

5 (a) Name the method used to make local salt from ash

(b) Describe the steps you can take to make local salt, at home if you are given the following materials: dry banana peelings, perforated container, Small bucket and match box: (03marks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

_____ **END** _____

P.7 INTEGRATED SCIENCE
COMPETENCE BASED REVISION WORK SET FIVE

Name _____

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1. (a) Name the force of attraction between molecules of the same substance

(b) Given the following materials: ice Cubes , saucepan and charcoal stove
Describe an experiment to show that water exists in all the three states of matter using the above materials.(3 mks)

(i) _____

(ii) _____

(iii) _____

2. You are provided with the following materials: water, tooth brush and tooth paste

(a) Name any one local material one can use to keep the teeth clean.

(b) What is the importance of tooth paste during the process of brushing teeth?

(c) Describe how you can keep the human teeth clean using the materials above(2 marks)

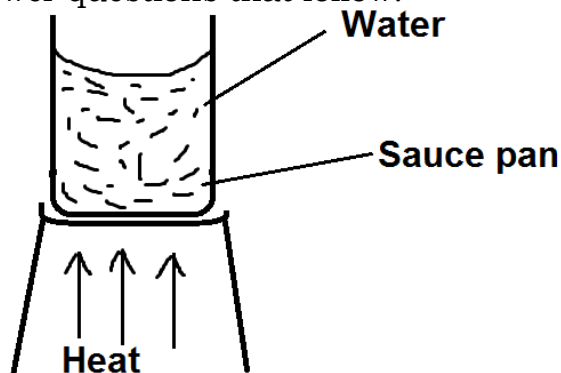
(i) _____

(ii) _____

(iii) _____

(iv) _____

3. The diagram below shows a saucepan with some water on fire, use it to answer questions that follow.



a. How will heat from the fire reach water at the top of the saucepan?

b. State the method of heat transfer that enables heat to reach all the water in the saucepan.

c. Use arrows to show movement of water in the saucepan after it has been heated for some time.

d. What happens to the water in the saucepan to show that it is boiling?

4. In four sentences, describe how you can separate sand, salt and iron filings (4 marks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

P.7 INTEGRATED SCIENCE
COMPETENCE BASED REVISION WORK SET SIX

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1. You are provided with the following materials to carry out an experiment to show that soil contains water. Use them to answer questions that follow:

- Dry saucepan
- Lump of wet soil
- Cover or lid
- Source of heat

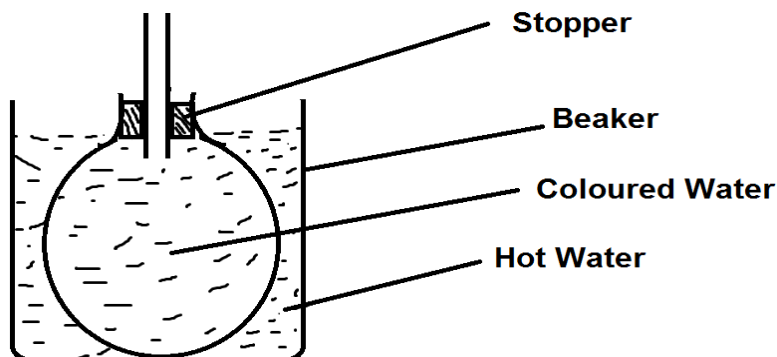
(a) State the purpose of the following in the experiment above.

- i. Saucepan _____
ii. Cover or lid _____

(a) Describe an experiment to show that soil contains water using the above materials.(2 marks)

- (i) _____
(ii) _____
(iii) _____
(iv) _____

2. Below is an experiment that was done by a p.5 class. Study it carefully to answer questions that follow.



(a) Which effect of heat on liquids is shown above?

(b) Why does the level of coloured water decrease for a short time immediately after putting the flask in hot water?

(c) Why does the level of coloured water rise up when the flask is left in hot water for some time?

(d) Apart from the effect of heat shown above mentioned one other effect of heat on liquids.

3. During an experiment about soil, the following materials were used.

- Transparent glass
- Water
- Lump of soil

(a) State what was observed when a lump of soil is put in a transparent glass with water.

(b) What is the importance of the following in the experiment?

- i. Water
- ii. Transparent glass

(c) Why was the experiment carried out?

4. (a) State the property of air demonstrated by a flying kite.

(i) _____

(b) A boy wanted to know if air moves things, he made a kite using the following materials

- A sheet of paper
- Two sticks
- Short strings
- A long string

Write four steps that the boy used to make a kite to show that air moves things
(2 marks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

P.7 INTEGRATED SCIENCE
COMPETENCE BASED REVISION WORK SET SEVEN

Name _____

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1. You are provided with the following items

basin, omo, dirty clothes and water

(a) Name any other detergent used to remove stains in clothes apart from omo.

(b) Write down the first three activities done by people to clean dirty clothes at home using the materials above. (03Marks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

2. During an experiment about light the following materials were used by Joseph: candle, match box, 3 cardboards and a table.

(a) State the purpose of the candle during the experiment above

(b) Describe how Joseph will carry out the experiment to show that light travels in a straight line using the materials above.(03marks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

3. (a) Name the element of primary health care promoted by a waterborne toilet.

(b) Briefly describe how a waterborne toilet is used at home.(03marks)

(i) _____

(ii) _____

(iii) _____

4. (a) Name the germ that causes malaria.

(b) Explain briefly why malaria is very common in places with stagnant water. (02 Marks)

(c) Apart from spraying mosquitoes, state one other way of controlling the spread of malaria in the community.

5. (a) State the main cause of ox-bow legs in children

(b) Explain briefly why properly breastfed children are less attacked by diseases. (02 Marks)

(c) Apart from eating a balanced diet, state one other way in which mothers can protect their babies against rickets disease.

P.7 INTEGRATED SCIENCE
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1(a) Name the germ that causes AIDS.

(b) Explain briefly why gonorrhoea increases the chances of a person getting infected with HIV/AIDS. (2mks)

(c) Give a reason why married people should go for the treatment of gonorrhoea together once they have the disease.

2(a) Identify any one method used to extract honey from the honey combs.

(b) Write down four activities done by a bee keeper to harvest honey from the hive. (04mrks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

3(a) Identify any one human body organ greatly damaged by excessive consumption of alcohol.

(b) Explain briefly why alcoholics are more likely to commit crimes in their community. (2mrks)

(c) Give any one life skill children should develop in order to avoid the habit of alcoholism.

4. The sentences below show the process of hearing in wrong order.

- (a) The Cochlea converts vibrations into the nerve impulses.
- (b) The pinna picks the sound waves and the ear canal sends them to the eardrum.
- (c) The nerve impulses are later sent to the brain for interpretation through the auditory nerve.
- (d) The eardrum changes sound waves into sound vibrations and sends it to the ossicles to be amplified.

Write the sentences above correctly in the space below to show the process of hearing in human beings.

(a) _____

(b) _____

(c) _____

(d) _____

5(a) Give the meaning of the term electromagnet.

(b) You are provided with the following items: Iron nails, copper wire, a dry cell and Some pins.

Describe how you can use the items to make a magnet. (03mrks)

END

P.7 INTEGRATED SCIENCE
COMPETENCE BASED REVISION WORK SET NINE

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1(a) Name the mammals whose reproduction is similar to that of birds in the environment.

(b) Explain briefly how blubber helps to keep sea mammals warm in water.
(2mrks)

(c) A part from blubber, state one other feature used by sea mammals to live in the sea.

2(a) State the meaning of the term electric circuit.

(b) During the science lesson the teacher came to class with the following items:
conducting wire, dry cell and bulb.

Describe how the teacher used the items above to show the class a simple electric circuit. (03mrks)

i. _____

ii. _____

iii. _____

3(a) Name the agent of soil erosion that causes gulley erosion.

(b) Briefly explain why soil erosion is very common in hilly areas in the environment. (02mrks)

(c) Apart from terracing and contour ploughing, state one other way of controlling soil erosion in hilly areas.

4(a) Name the group of living things that makes food for other organisms in the environment.

(b) Explain briefly how plants purify air in the environment (2mrks)

(c) Apart from food, state one other way in which plants help to support human life.

5. During an experiment to prove that air exerts pressure, the teacher used the following materials: Transparent glass, water and cardboard.

(a) What was the purpose of the following during the experiment?

(i) Transparent glass _____

(ii) Card board. _____

(b) Describe how the teacher will carry out the experiment using the materials above. (2mrks)

(i) _____

(ii) _____

(iii) _____

(iv) _____

-END-

P.7 INTEGRATED SCIENCE
COMPETENCE BASED REVISION WORK SET TEN

Name _____

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1. (a) Name the method of food preservation that involves cool fanning temperature.

- (b) Explain briefly how sun drying help to prevent harvested cassava from rotting.(02 Marks)

- (c) Apart from boiling and cooking, state one other way food is prepared at home.

2. (a) State the property of matter used by shop keepers to measure good sold.

- (b) You are provided with the following materials;

Two empty balloons, string, stick and a stand.

Write down the step you would take to prove that matter has weight. (03 Marks)

(i)_____

(ii)_____

(iii)_____

(iv)_____

3. (a) Name the group of coldblooded vertebrates that breath like the young frog.

- (b) Briefly explain how external fertilization takes place in amphibians. (02 Marks)

- (c) State one way in which adult amphibians help in controlling the spread of diseases in the community.

4. (a) Name the type of worms to which a tapeworm belongs.

(b) Explain briefly how tapeworm infestation can lead to Marasmus in children.(02 marks)

(c) Apart from deworming, mention one other practice used by people to control tapeworm infestation in the community.

5. The Primary Four class of Seeta Junior School Mukono started a rabbit keeping project. Each child in that class was assigned a certain activity to carry out on the farm as shown below.

Date	Activity	Name of Child	Remarks
01/5/25	Cleaning the hutch	Joan	Done
02/5/25	Feeding rabbits	Mugerwa	Done fairly
03/5/25	Deworming	Adella	Done

(a) Identify one activity that was done on the farm on 02/5/25.

(b) Mention down one parasite controlled by the activity carried out by Adella on the rabbit farm.

(c) Give any two reasons why such project is useful to school children.

- i. _____
- ii. _____

-END-

P.7 INTEGRATED SCIENCE
COMPETENCE BASED REVISION WORK SET ELEVEN

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1. (a). Name any one material used to make compost manure.

(b) Below are the steps taken by farmers to make compost manure but in a wrong order.

Turn the materials regularly.

Build the compost pile.

Harvest the compost manure after 2 – 3 months

Collect the organic materials

Re-arrange the steps above to make the correct order and write the answer in the space provided below.

(a) _____

(b) _____

(c) _____

(d) _____

2(a) What causes nagana disease in cattle?

(b) Explain briefly how paddocking helps to prevent the spread of East Coast fever disease on a cattle farm. (02 marks)

(c) Apart from paddocking, state one other way of controlling tick-borne disease among cattle.

3.(a) Using the items below, in four sentences, describe how you would make a model of the respiratory system; Two balloons, a two-litre water bottle, masking tape, rubber sheet and a Y-shaped tube.

(i) _____

(ii) _____

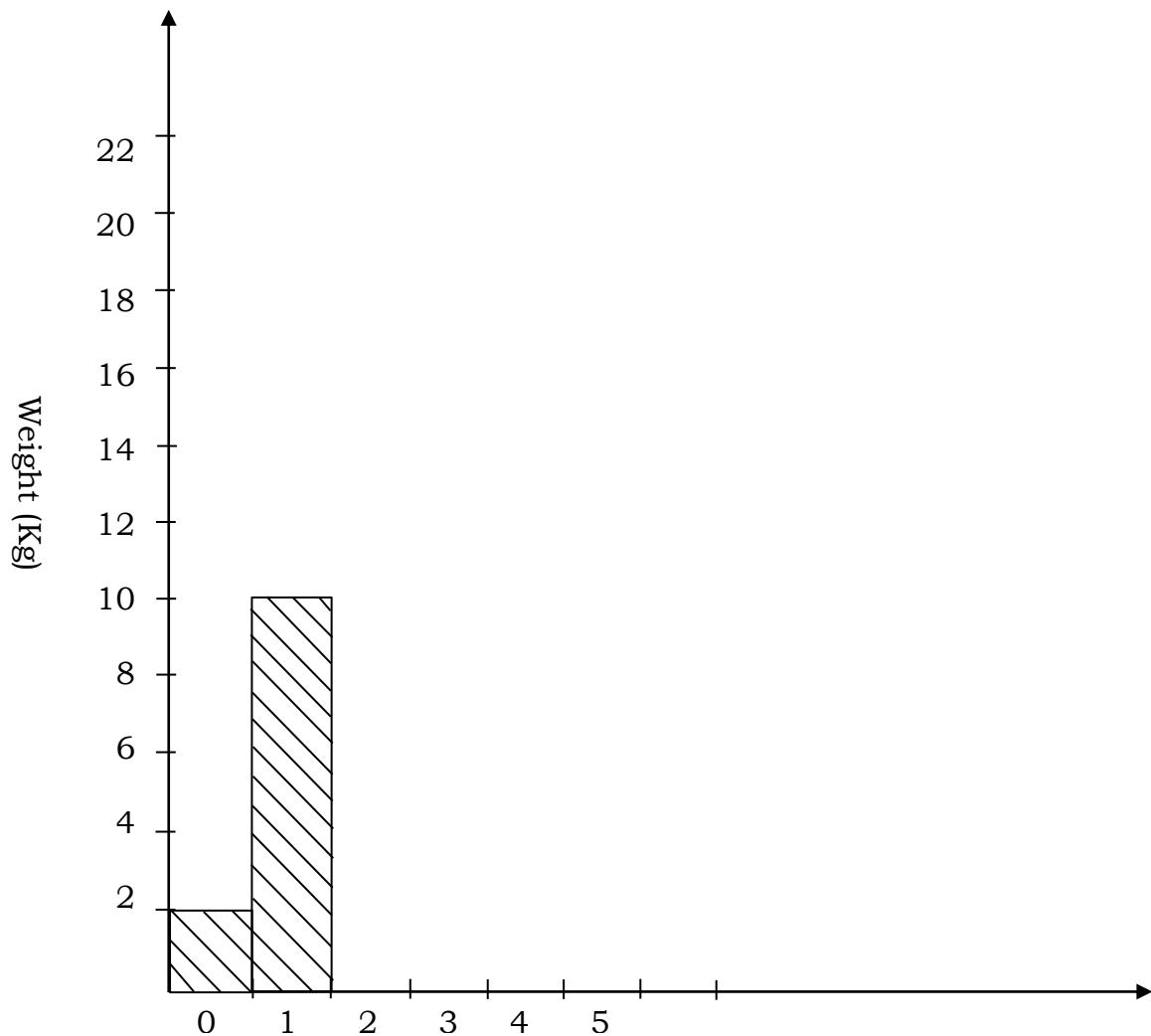
(iii) _____

(iv) _____

The table below shows the average weight of a new born baby at different ages recorded on a child health card during immunization.

Age (Yrs)	Average Weight (Kg)
0	2
1	10
2	12
3	14
4	16
5	18

Use the table above to complete the bar graph below correctly.



-END-