**SCIENCE PAPER TWO**

*Time: 2:15minutes*

**Pupil’s name :……………………………………………… Index No……………........**

**SECTION MARKS**

**B**

**A**

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**

**Read the following instructions carefully.**

**T**

1. **Read the instructions carefully**

1. **Answer ALL questions in Section A & B**
2. **Answers should be put in the space provided.**
3. **All answers should be written in blue or black ink.**
4. **Unnecessary alterations may lead to loss of marks**
5. **Any handwriting that cannot be read may lead to loss of marks.**
6. In which state of matter does heat travel fastest?

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1. How is measles vaccine administered?

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1. Identify one activity done to prevent domestic rabbits from digging barrows in the ground.

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1. In the space below, draw a simple serrated leaf.
2. How do soft materials like soft boards control echoes in cinema halls?

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1. Give one way in which you can control common weeds in the garden.

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1. In which way is the function of a fuse similar to that of a switch?

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1. Write one non chemical way of controlling malaria in the community.

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1. Name one food deficiency disease.

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1. How do medical workers reset clinical thermometers after use?

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1. State any one human body sense.

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1. How is the human skeleton important to the circulatory system?

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1. Convert 600C to the Fahrenheit scale.

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1. How do treads on soles and tyres increase friction?

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1. State one activity that you can do to keep clean.

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1. Identify one way a bee keeper can control swarming of bees.

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1. Why do lions live in bushes yet they don’t feed on vegetation?

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1. Give one way of conserving energy at home.

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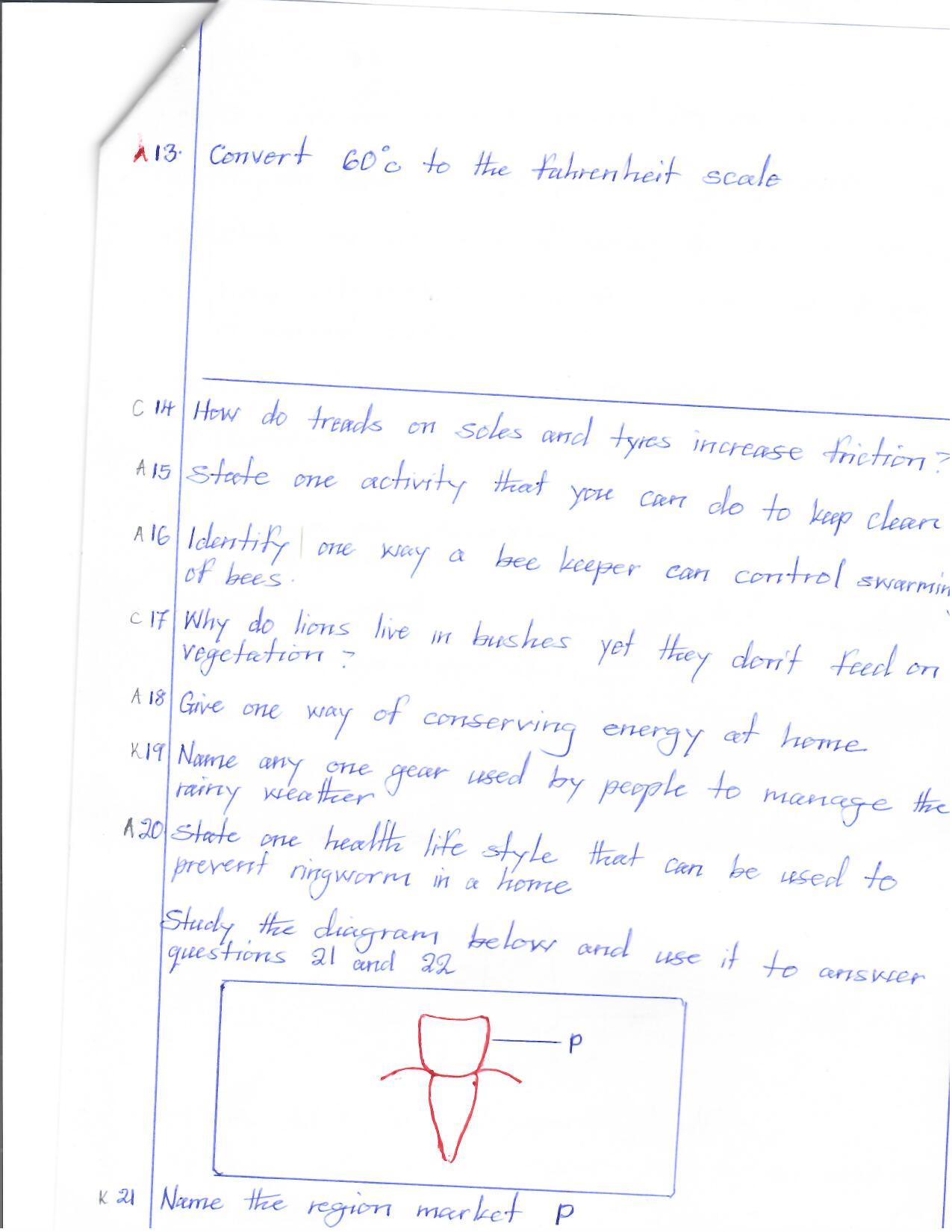
1. Name any one gear used by people to manage the rainy weather.

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1. State one health life style that can be used to prevent ringworm in a home.

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**Study the diagram below and use it to answer questions 21 and 22**

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1. Name the region marked p.

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1. How is the above tooth adapted to its function?

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1. Give any one way of preventing soil exhaustion.

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1. Why do some farmers prefer keeping goats to cattle?

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1. State any one way of caring for the human eye.

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1. Which activity can you do to ease the drying of washed clothes?

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1. Why are mushrooms not regarded as plants?

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1. Identify one way of controlling house flies in a pit latrine.

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1. Write any one characteristic of vertebrates besides having backbones.

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1. Why are most iron sheets painted these days?

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1. How can short sightedness be corrected?

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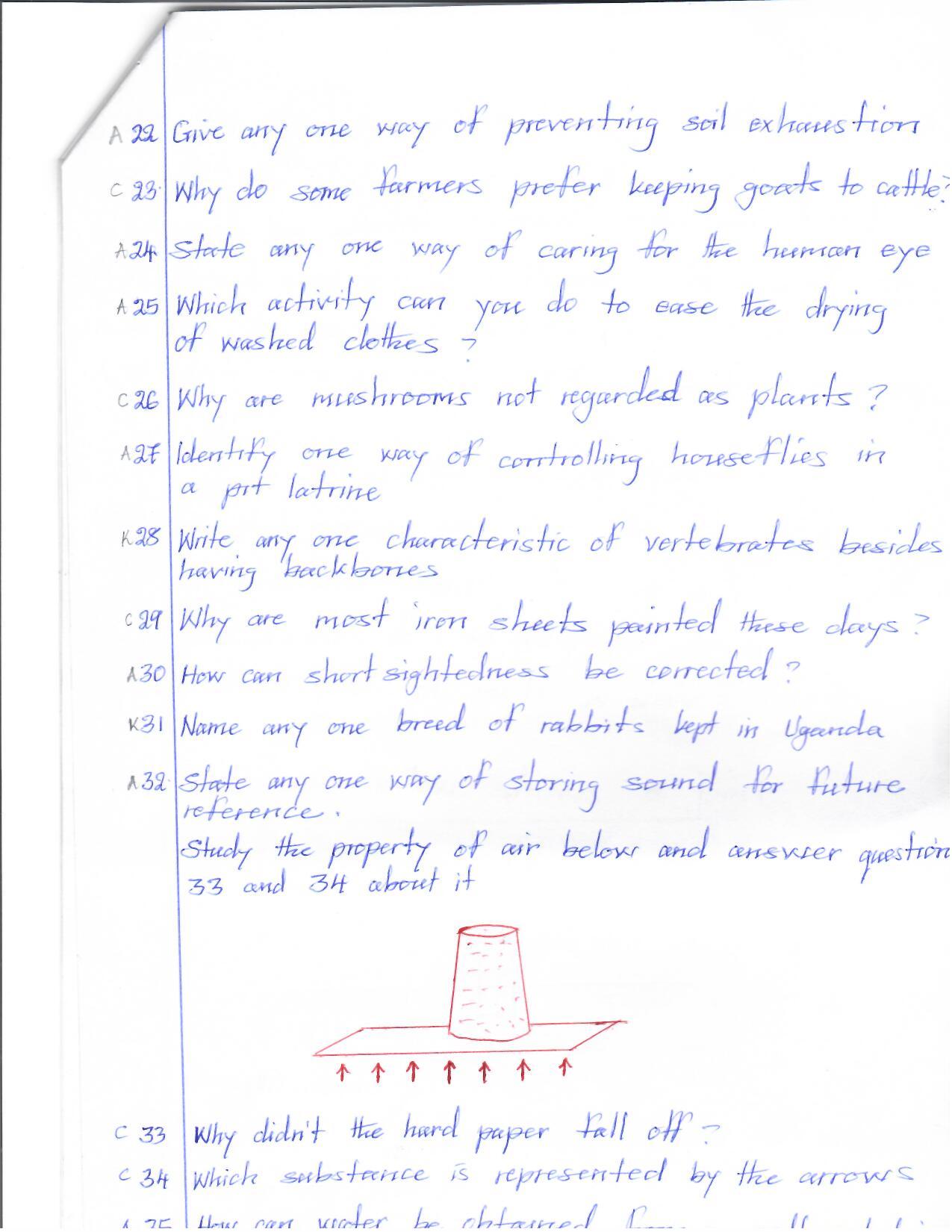
1. Name any one breed of rabbits kept in Uganda.

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1. State any one way of storing sound for future reference.

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**Study the property of air below and answer questions 34 and 35 about it**

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1. Why didn’t the hard paper fall off?

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1. Which substance is represented by the arrows?

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1. How can water be obtained from a self solution?

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1. What enables geckos to move upside down on ceiling boards?

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1. State the difference between mass and density.

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1. How do some factories in Uganda make use of conifers?

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1. Give the meaning of the term electrical resistance.

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**SECTION B: 60 MARKS**

1. a) By what process does dew form on plants?

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b) Why does dew commonly form at night?

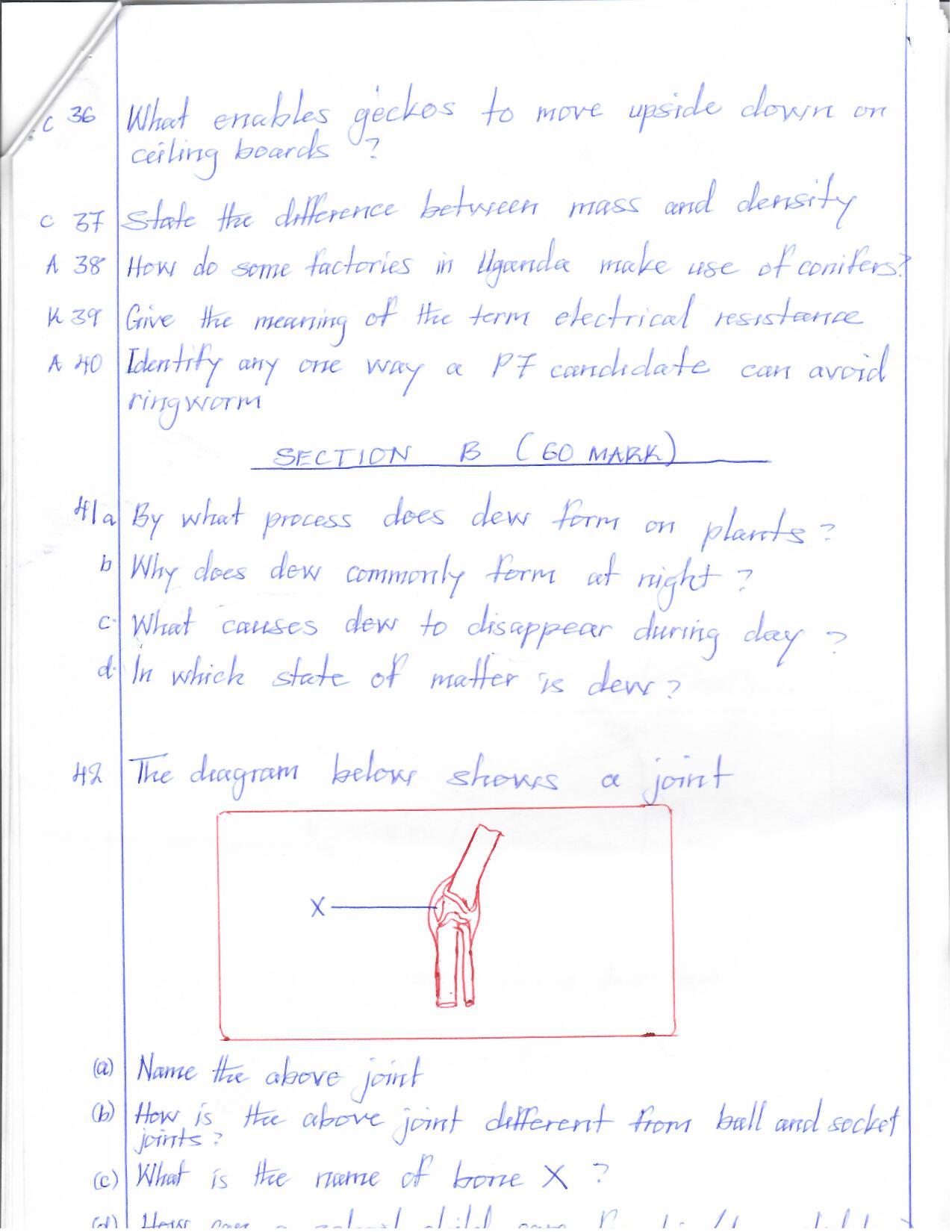
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) What causes dew to disappear during day?

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d) In which state of matter is dew?

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1. **The diagram below shows a joint, use it to answer the questions that follow**

a) Name the above joint.

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b) How is the above joint different from ball and socket joints?

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c) What is the name of bone x?

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d)How can a school child care for his/ her skeleton?

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1. a) What is PHC?

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b) Give any two importance of PHC in a community.

i)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write any one principle of PHC.

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1. a) Identify the tuber crop which is attached by white flies.

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b) How are white flies dangerous to the above tuber crop?

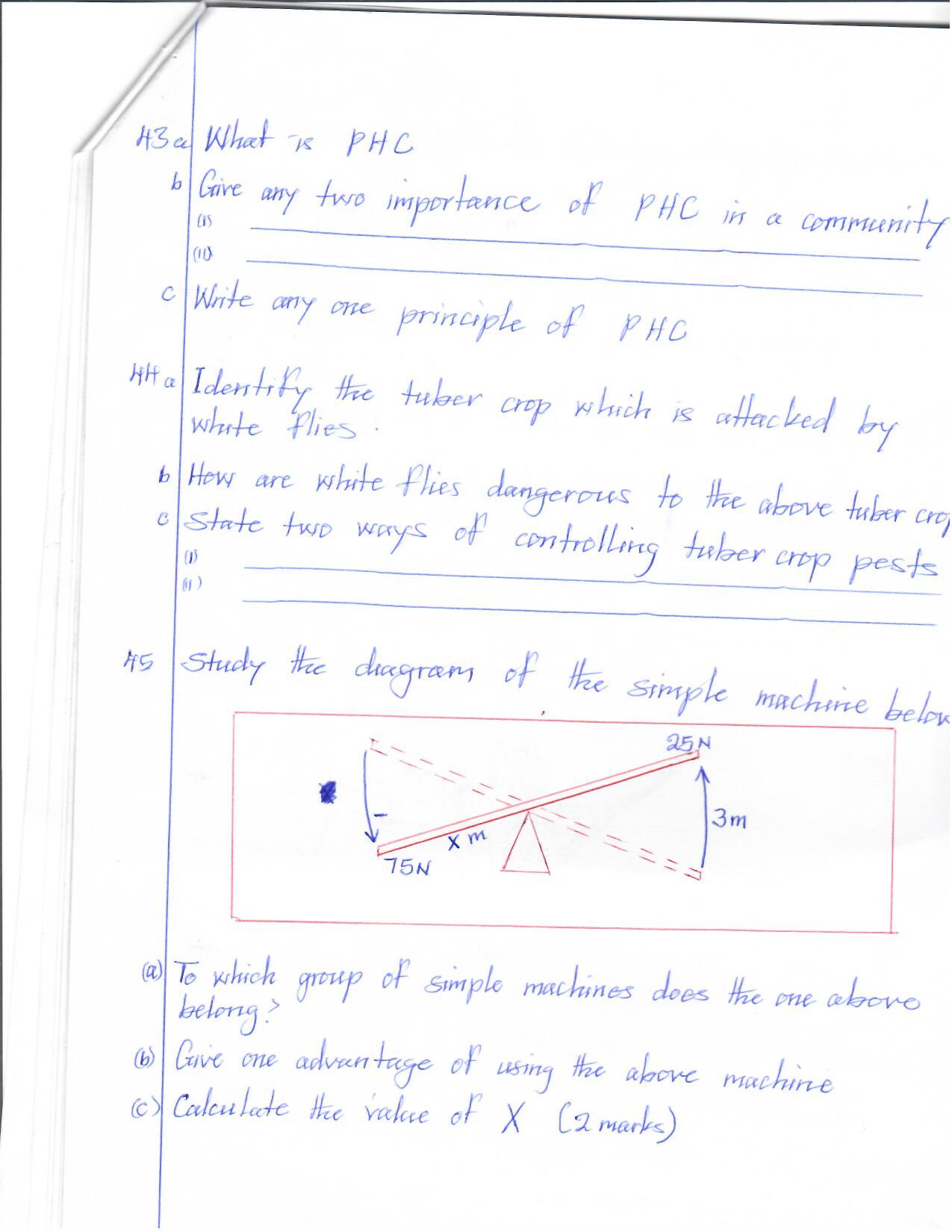
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c) State two ways of controlling tuber crop pests.

i)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Study the diagram of the simple machine below**

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a) To which group of simple machines does the one above?

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b) Give one advantage of using the above machine.

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c) Calculate the value of x (2marks)

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1. a) In one sentence, give the meaning of bottle feeding.

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b) Give any two conditions under which bottle feeding can be recommended.

i)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Write one disadvantage of bottle feeding.

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1. a) On which part of a spider are legs attached?

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b) To which group of animals does a spider belong?

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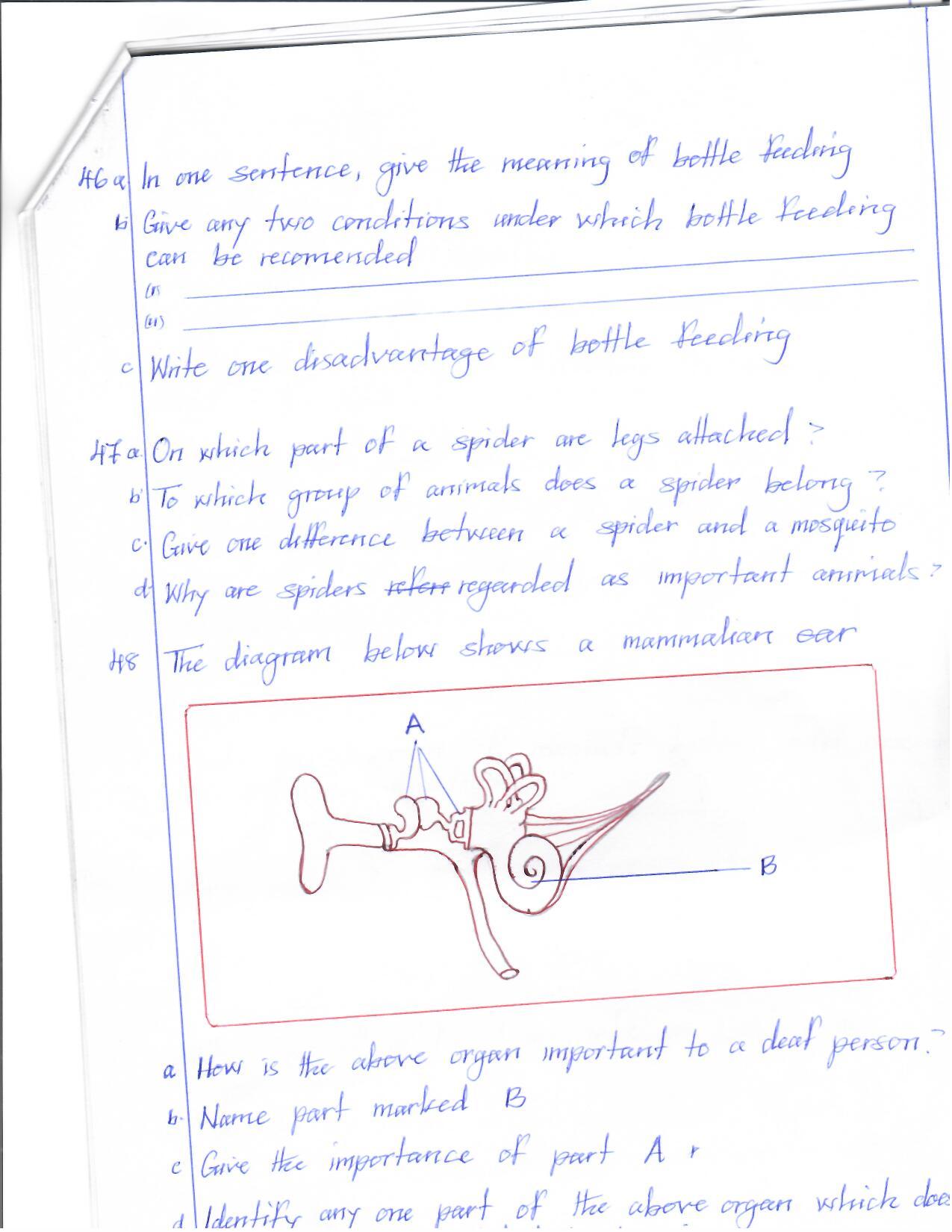
c) Give one difference between a spider and a mosquito.

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1. Why are spiders regarded as important animals?

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1. **The diagram below shows a mammalian ear**
2. How is the above organ important to a deaf person?

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1. Name part marked B.

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1. Give the importance of part A.

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1. Identify any one part of the above organ which doesn’t have any function related to hearing.

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1. a) Which chambers of the heart is responsible for pumping blood?

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b) How are heart valves important?

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c) In which body cavity is the human heart found?

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d) Identify any one way of increasing the volume of blood in the body.

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1. a) Name any one breed of cattle kept in Uganda.

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b) What is the main purpose of rearing the above named cattle breed?

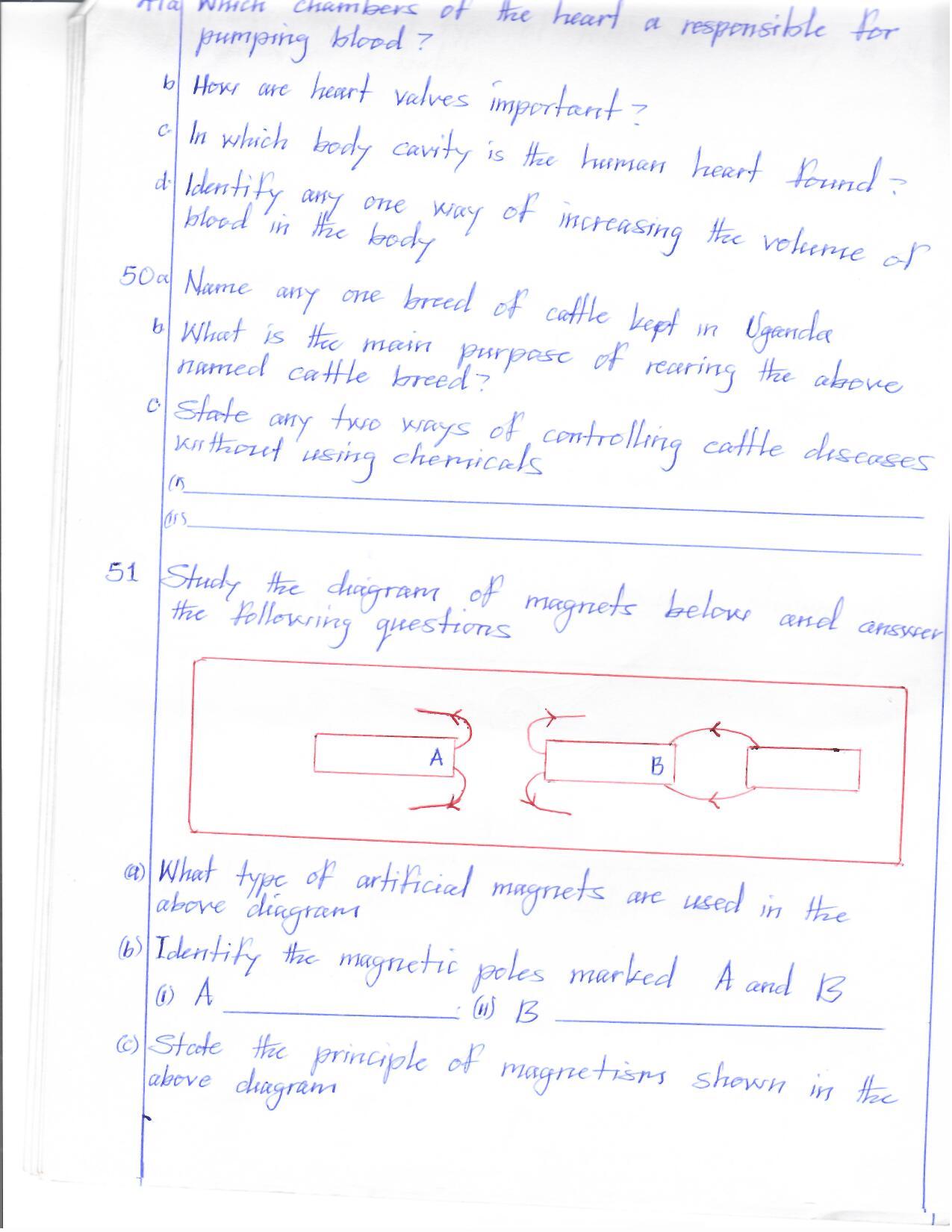
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c) State any two ways of controlling cattle diseases without using chemicals.

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ii)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Study the diagram of magnets below and answer the following questions**

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a) What type of artificial magnets are used in the above diagram?

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b) Identify the magnetic poles marked A and B.

i) A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii)B\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) State the principle of magnetism shown in the above diagram.

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1. a) Name the first type of teeth to develop in the mouth of a baby.

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b) Which set of teeth is possessed by adult people?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Identify any one habit which affects the teeth.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) How can you care for your teeth?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. a) In one sentence, give the meaning of posture.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Give two importance of maintaining a good posture.

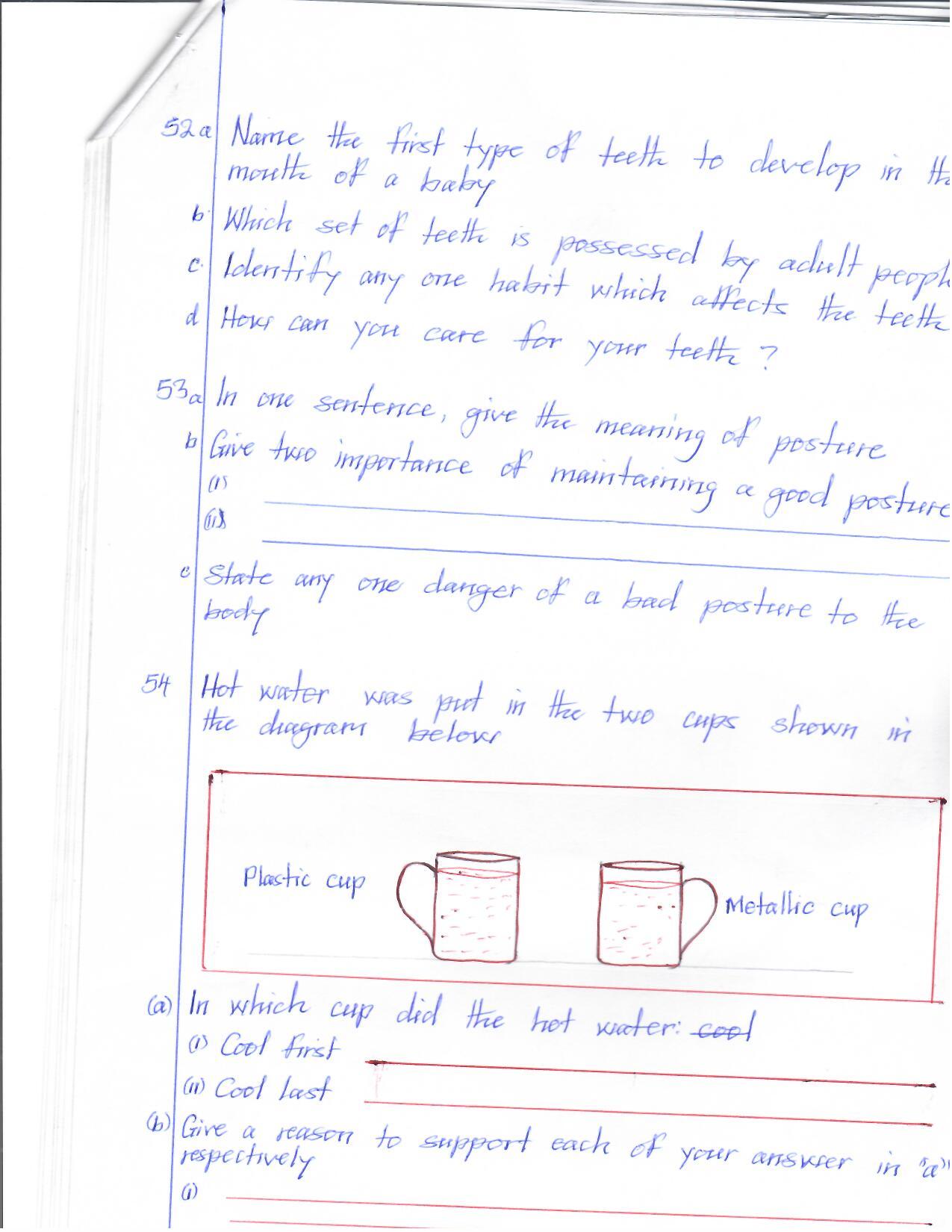
i)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) State any one danger of a bad posture to the body.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Hot water was put in the two cups shown in the diagram below



a) In which cup did the hot water

i) cool first \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii) cool last

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Give a reason to support each of your answer in “a” respectively

i)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Complete the table below by filling in the blank spaces

|  |  |  |
| --- | --- | --- |
| **Vector** | **Disease** | **Cause** |
| i)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Lyme disease | Bacteria |
| Cockroach | Poliomyelitis | ii)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Simulid | iii)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Onchocerca volvulus |
| Water snail | iv) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Schistosome |

**END**