

# Chapter 1: The Call of the Soil

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## ICE BREAKERS [PAGE 25]

### Ice Breakers | Q 1. (a) | Page 25

Discuss the following with your partner and complete the following sentence.

Before eating apples brought from the market, I wash and peel them off \_\_\_\_\_.

## SOLUTION

Before eating apples brought from the market, I wash and peel them off because the outer layer of the apple contains wax coating.

### Ice Breakers | Q 1. (b) | Page 25

Discuss the following with your partner and complete the following sentence.

In a farmers' market, we find \_\_\_\_\_.

## SOLUTION

In a farmers' market, we find seeds, fertilizers, pesticides, etc.

### Ice Breakers | Q 1. (c) | Page 25

Discuss the following with your partner and complete the following sentence.

Food adulteration means \_\_\_\_\_.

## SOLUTION

Food adulteration means the addition of other substances that degrade the quality of food.

### Ice Breakers | Q 1. (d) | Page 25

Discuss the following with your partner and complete the following sentence.

Organic food is grown by using \_\_\_\_\_.

## SOLUTION

Organic food is grown by using organic seeds and traditional methods.

### Ice Breakers | Q 1. (e) | Page 25

Discuss the following with your partner and complete the following sentence.

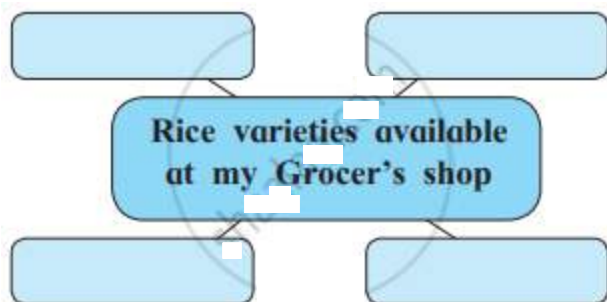
Organic fertilizer means \_\_\_\_\_.

## SOLUTION

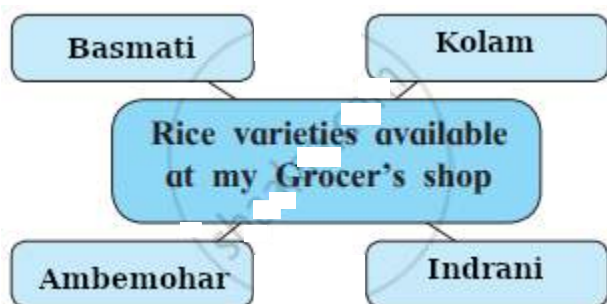
Organic fertilizer means manure/plant compost.

### Ice Breakers | Q 2 | Page 25

Complete the following web diagram.



### SOLUTION



### Ice Breakers | Q 3. (i) | Page 25

Find out from your grandparents or parents the names of vegetables and fruits they had eaten in their childhood and mention how the vegetables and fruits are different from the one's today.

| Name of the vegetable or fruit | Shape | Colour | Taste |
|--------------------------------|-------|--------|-------|
| 1.                             |       |        |       |
| 2.                             |       |        |       |
| 3.                             |       |        |       |

### SOLUTION

| Name of the vegetable or fruit | Shape         | Colour                      | Taste                                |
|--------------------------------|---------------|-----------------------------|--------------------------------------|
| 1. Mango                       | Round, Oval   | Yellow                      | Sweet                                |
| 2. Banana                      | curved        | Yellow                      | less sweet, depending on the variety |
| 3. Plum                        | Round or Oval | reddish-purple, yellow, Red | sweet to tart                        |
| 4. Amla                        | spherical     | light-greenish yellow       | sour and bitter                      |

### Ice Breakers | Q 3. (ii) | Page 25

You might have learned about organic farming. Make groups and discuss the difference between conventional farming and organic farming and write it down.

| Sr.No. | Conventional Farming | Organic Farming |
|--------|----------------------|-----------------|
| 1.     |                      |                 |
| 2.     |                      |                 |
| 3.     |                      |                 |

### **SOLUTION**

| Sr. No. | Conventional Farming   | Organic Farming                               |
|---------|--|---|
| 1.      | Pesticides may be used.                                      | Strict restrictions on the use of pesticides. |
| 2.      | Fertilizers are used for better yield.                       | Natural fertilizers are used.                 |
| 3.      | Engineered methods for a quick harvest.                      | Natural growth is encouraged.                 |
| 4.      | Gradually deteriorates the fertility of soil and crop yield. | Improves the fertility of the soil.           |

### **BRAINSTORMING [PAGES 31 - 34]**

#### **Brainstorming | Q (A1) (i) (a) | Page 31**

**Read the extract and state whether the following statement is true or false.**

**Correct the false statement.**

Growing in abundance is more important than the quality of the crop.

1. True
2. **False**

### **SOLUTION**

Growing in abundance is more important than the quality of the crop - **False**.

#### **Explanation:**

According to the author, the quality of the crop is more important than its quantity.

#### **Brainstorming | Q (A1) (i) (b) | Page 31**

**Read the extract and state whether the following statement is true or false.**

**Correct the false statement.**

The author wanted to grow the desi variety of rice.

1. **True**
2. False

### **SOLUTION**

The author wanted to grow the desi variety of rice - **True.**

### **Brainstorming | Q (A1) (i) (c) | Page 31**

**Read the extract and state whether the following statement is true or false.**

**Correct the false statement.**

The author did not succeed in finding Kasbai.

1. True
2. **False**

### **SOLUTION**

The author did not succeed in finding Kasbai - **False.**

### **Explanation:**

The author succeeded in finding Kasbai but with great difficulty.

### **Brainstorming | Q (A1) (i) (d) | Page 31**

**Read the extract and state whether the following statement is true or false.**

**Correct the false statement.**

The aroma of the 'desi' rice would spread around the village.

1. **True**
2. False

### **SOLUTION**

The aroma of the 'desi' rice would spread around the village - **True.**

### **Brainstorming | Q (A1) (i) (e) | Page 31**

**Read the extract and state whether the following statement is true or false.**

**Correct the false statement.**

Newer hybrid crops have a great appetite for chemicals.

1. **True**
2. False

### **SOLUTION**

Newer hybrid crops have a great appetite for chemicals. - **True.**

### **Brainstorming | Q (A1) (i) (f) | Page 31**

**Read the extract and state whether the following statement is true or false.**

**Correct the false statement.**

The author is an example of 'reverse migration'.

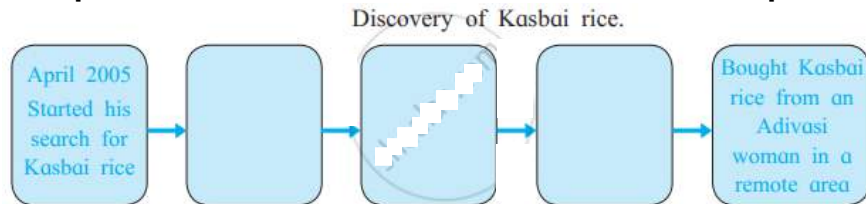
1. **True**
2. False

### **SOLUTION**

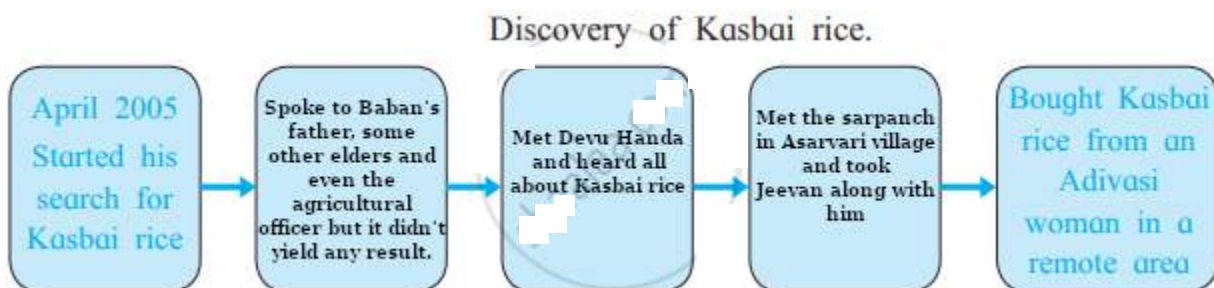
The author is an example of 'reverse migration' - **True.**

### Brainstorming | Q (A1) (ii) | Page 31

Complete the flow chart. Consider this as an example of Note-Making.



### SOLUTION



### Brainstorming | Q (A1) (iii) (a) | Page 32

Fill in the blank.

The author wanted to grow \_\_\_\_\_.

### SOLUTION

The author wanted to grow organic moong.

### Brainstorming | Q (A1) (iii) (b) | Page 32

Fill in the blank.

Moru Dada wanted to spray \_\_\_\_\_ on the moong crop.

### SOLUTION

Moru Dada wanted to spray pesticides on the moong crop.

### Brainstorming | Q (A1) (iii) (c) | Page 32

Fill in the blank.

Baban's father and some elders mentioned the name of \_\_\_\_\_.

### SOLUTION

Baban's father and some elders mentioned the name of Kasbai.

### Brainstorming | Q (A1) (iii) (d) | Page 32

Fill in the blank.

"Hybrids need more \_\_\_\_\_", said Devu Handa.

### **SOLUTION**

“Hybrids need more **water, fertilizers, and pesticides**”, said Devu Handa.

### **Brainstorming | Q (A1) (iii) (e) | Page 32**

**Fill in the blank.**

The author bought \_\_\_\_\_ kilos of rice from an Adivasi woman who lived in remote hills.

### **SOLUTION**

The author bought **ten** kilos of rice from an Adivasi woman who lived in remote hills.

### **Brainstorming | Q (A2) (i) | Page 32**

**List the reactions of the agricultural officer to the author’s inquiry about Kasbai rice seeds. One is done for you.**

- (a) He had not heard of Kasbai.
- (b) \_\_\_\_\_
- (c) \_\_\_\_\_

### **SOLUTION**

1. He had not heard of kasbai rice seeds.
2. He uttered the names of latest hybrids.
3. He also offered to give the author some hybrid seeds free of cost.

### **Brainstorming | Q (A2) (ii) | Page 32**

**Go through the text once again and note down Devu Handa’s fond memories of Kasbai in your exercise book. One is done for you.**

Devu Handa has fond memories of Kasbai. They are as follows!

- (a) It needs \_\_\_\_\_ rain.
- (b) \_\_\_\_\_
- (c) \_\_\_\_\_

### **SOLUTION**

- a. **It needs less rain.**
- b. It has an alluring aroma.
- c. It is a long duration of rice.

### **Brainstorming | Q (A3) (i) | Page 32**

The writer says he grew ‘an awful lot of moong’. Explain the word ‘awful’ in this sentence.

### **SOLUTION**

The word ‘awful’ in this context means ‘a large amount.’

### **Brainstorming | Q (A3) (ii) | Page 32**

The word scent is different from its synonyms aroma, fragrance, or perfume. Explain how the word 'scent' in the subtitle 'Scent of the Rice', has a deeper meaning than 'perfume' or 'fragrance'. Tick phrases having a similar meaning from the following:

- a. In pursuit of
- b. To smell a rat
- c. To be keen
- d. On the trail of
- e. To feel under the weather

### **SOLUTION**

The word 'scent' in the title 'Scent of the Rice', carries a feeling within itself. It suggests a sense of belongingness. Also, it refers to the tracing of smell and hence, it is different from its synonyms 'perfume' and 'fragrance' in this context.

**The phrases having a similar meaning are:**

- 1. in pursuit of
- 2. on the trail of

### **Brainstorming | Q (A4) | Page 33**

**Read the following sentence:**

**(i) She muttered in reply and we looked at Jeevan for a quick interpretation.**

**(ii) These are two complete sentences underlying the above sentence.**

- a. She muttered in reply.
- b. We looked at Jeevan for a quick interpretation.

These two sentences are put together by using the coordinating conjunction 'and'. Such sentences are joined by coordinating conjunctions (and/ but/ either...or; neither...nor) are called compound sentences.

Sentence 'a' and 'b' are Simple Sentences.

Each of them has only one subject and one predicate.

Sentence 'a' and 'b' can be written in another way.

As she muttered in reply, we looked at Jeevan for a quick interpretation.

This sentence begins with a subordinating conjunction 'As'.

This is a complex sentence.

Two simple sentences joined by subordinate conjunctions are called complex sentences. The subordinate conjunction need not always be at the beginning of the sentence.

**Make pairs and groups and find out some more simple, complex, and compound sentences from the text.**

### **SOLUTION**

**Simple** – It was April 2004.

**Compound** – It was just before sunrise and the sky was turning a bright orange.

**Complex** – I stood watching the sunrise above the towering trees across the fence and slowly made my way back to the house, a white structure in the middle of this greenery.

**Brainstorming | Q (A4) | Page 33**

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**Prepare a list of subordinating conjunctions.**

**SOLUTION**

but, and, than, that, which, when, who, as much as, etc.

**Brainstorming | Q (A5) (i) | Page 33**

Planting and growing more crops a year seems to be progressed by normal standards, but the chapter makes a case against it. Give reasons.

**SOLUTION**

According to normal standards, growing more crops a year is indeed progressive but the chapter makes a case against it because, in the name of progress, we are being fed hybrid crops and adulterated food items. We are inching towards illnesses and poor health with pesticide infested products and artificial agricultural enhancers. This will only lead to health risks.

**Brainstorming | Q (A5) (ii) | Page 33**

Describe in about 150 words your experience similar to the writer's when you pursued something and reached your goal.

**SOLUTION**

I wanted to pursue Warli painting classes, but could not find any professional artist near my residence to coach me. I looked for online classes but failed in that attempt too. I

asked my friends to check near their residential areas in and around Mumbai, still I failed to gather any positive news. Finally, one fine morning, while I was travelling back from college, I met a middleaged lady who was carrying a handbag with Warli artwork on it.

I was instantly drawn to that bag and she noticed my expression. She ended up asking me about my interest in her bag. I was embarrassed at first but then told her about my love for Warli painting. She had a smile on her face.

She told me that she belonged to Palghar district and that her forefathers dealt in that art. My happiness knew no bounds when at last, I got to know that I could take classes from her, starting from the upcoming Sunday.

### **Brainstorming | Q (A5) (iii) | Page 33**

The writer goes in search of an invaluable indigenous variety of seeds. List three reasons for the importance of keeping records of our indigenous agricultural practices.

#### **SOLUTION**


**The following are the reasons for keeping records of our indigenous agricultural practices:**

- i. to compare traditional farming practices with conventional farming.
- ii. to compare the fertility of land after each harvest that has been done using modern technology.
- iii. to maintain and safeguard agricultural productivity based on utility.

### **Brainstorming | Q (A5) (iv) | Page 33**

Write a blog in about 100 to 150 words on organic farming.

## SOLUTION

 WELLNESS ADVENTURE REVIEW HEALTH AND FITNESS **ENVIRONMENT** SOCIAL SELF-DEVELOPMENT

Organic farming

**Blogs by BOBBY**

ARCHIVE

2019

July

Jun

May

Apr

Mar

Feb






Jan

2018

2017

2016

Follow by mail

Get Social     

Organic farming! The name itself exudes a breath of fresh air. It is emerging as the latest way of producing crops. Organic farming traces back to traditional old methods of farming. It helps to renew the fertility level of the soil and also helps maintain balance in nature. Organic farming involves the usage of everything natural – seeds, fertilizers etc. No artificial chemicals or fertilizers are put to use. Organic fruits and vegetables are making rounds of the market at high prices because it defines the new style of living and good health. It has been proved by researchers that as a result of hybrids, we have traces of pesticides in our body. But by consuming organic farm produce, it can be reduced. So, if you want to get a life, get going and take up organic farming! Go organic! Breathe organic! Live organic!

### Brainstorming | Q (A5) (v) | Page 34

Write a short paragraph in about 120 words, to be used as Counter-View for the following topic. 'Buy a bigger cloth for your coat'.

#### View Section:

- We cannot survive by the dictum 'Cut your cloth according to your coat' in today's world.
- In the modern world, we should 'Think Big'.
- Think of increasing your income instead of reducing your needs.
- We cannot deny ourselves, what the new world offers us.

## SOLUTION

We should always wear what fits our size, nothing more; nothing less. Thinking big is the need of the hour; not wearing bigger clothes! To think big doesn't just mean to live a king-size life and waste money on luxuries. Thinking big in rational terms means thinking for others too. Reducing your daily needs, cutting down on luxuries, and focusing on basic requirements will help take care of other's needs. Not just that, it will help to save resources for the use of future generations. The new world has a lot to offer, but we should know the limit and draw a line where our needs meet and our greed ends. This will only pave way for a happy and fulfilling life.

**Brainstorming | Q (A5) (vi) | Page 34**

'Organic farming is the need of the time'. Write your views in favour of and against the statement.

| Views | Counterviews |
|-------|--------------|
| 1.    |              |
| 2.    |              |
| 3.    |              |
| 4.    |              |

**SOLUTION**

|    | Views   |    | Counterviews   |
|----|---|----|--|
| 1. | Organic farming uses natural methods of growing food and is hence safe.   | 1. | Organic farming focuses on quality rather than quantity; which ensures a healthy lifestyle for the people.   |
| 2. | Organic produce is free of any chemical/pesticide and is therefore healthy for us.  | 2. | Organic farming is solely based on traditional methods whereas the seasonal changes and weather conditions nowadays require modern ways of farming for greater scale production.                                 |
| 3. | Organic farm produce is grown using manure and plant compost rather than other chemical fertilisers and thereby reduces the risk of cancer. | 3. | Based on the ever-decreasing fertility of the soil, chemically enhanced fertilisers are required for better growth of the crops.   |
| 4. | Organic farming helps improve the soil's fertility, which helps to grow other crops.  | 4. | With an increase in the number of pest attacks and a constant rise in the consumption of food; protecting the crops against pests becomes crucial, which calls for the use of pesticides with upgraded strength. |

**Brainstorming | Q (A5) (vii) | Page 34**

Appeal your classmates to say 'No to Junk Food'. Write an appeal to prefer organic food over junk food.

## **SOLUTION**

Don't eat junk food because it can cause many health issues like:

- Obesity
- Gastrointestinal Problems
- Heart Problems

Choose your health over convenience and go the organic way!



## **Brainstorming | Q (A6) (i) | Page 34**

Plant the seed of a flower or fruit of your choice in a pot or in your garden. Note its growth every day and maintain a diary recording its progress.

## **SOLUTION**

Students are expected to attempt the above activities on their own.

## **Brainstorming | Q (A6) (ii) | Page 34**

**Find out more career opportunities in the field of agriculture, organic farming, sales, storage, distribution, and marketing research.**

| Educational qualifications | Job opportunities | Work Profile |
|----------------------------|-------------------|--------------|
| 1.                         |                   |              |
| 2.                         |                   |              |
| 3.                         |                   |              |
| 4.                         |                   |              |

## **SOLUTION**

Students are expected to attempt the above activities on their own.