



KOTHARI INTERNATIONAL SCHOOL, NOIDA

ACADEMIC SESSION – 2023-2024

SUMMATIVE ASSESSMENT 2 - GRADE 4

SUBJECT – SCIENCE

SECTION 2

Duration: 45 Minutes

Name: _____

Class: _____ Section: _____ Date: _____

General Instructions:

1. This paper consists of 2 printed pages.
2. Read all the questions carefully.
3. All the questions are compulsory.

1. Write the following stages of the growth of a plant from 1-5, in the right order.

- a) The seedling sprouts a tiny shoot which grows upward.
- b) The seedling breaks through the seed coat.
- c) The cotyledons start shrinking.
- d) The seedling grows a tiny root that grows downward.
- e) The seed absorbs water and swells.

2. Answer the following briefly.

Anya and Ben are building a boat for their science project. They want it to float and be strong enough to hold a small rock. They have two materials to choose from: a piece of soft, fluffy wool and a thin sheet of aluminium foil.

Assertion: Anya suggests using the aluminium foil.

Reasoning: Aluminium will be stronger and make the boat float better.

(i) Choose the correct option.

- a) Both Assertion and Reasoning are correct.
- b) Both Assertion and Reasoning are incorrect.
- c) Assertion is correct but Reasoning is incorrect.
- d) Assertion is incorrect but Reasoning is correct.

(ii) Ben thinks the wool would be better because it feels lighter and is like the life jackets they saw on TV. Is Ben's reason for using wool, correct? Explain your answer based on the materials' properties.

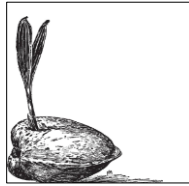
3. Think and answer the following questions.

- a) Here is Meena riding her bicycle.



What do you think the tyres of this cycle are made of? Which two properties of this material make it suitable for the tyres?

b) Here is a coconut floating on water.



What makes the seeds of a coconut fruit float in water and get dispersed that way?

4. Read the paragraphs and answer the following accordingly.

a) Krishiv has a wooden table. It is covered with a cotton tablecloth. There is a glass flower vase, a metal pen stand and a plastic pencil box on the table.

Question:

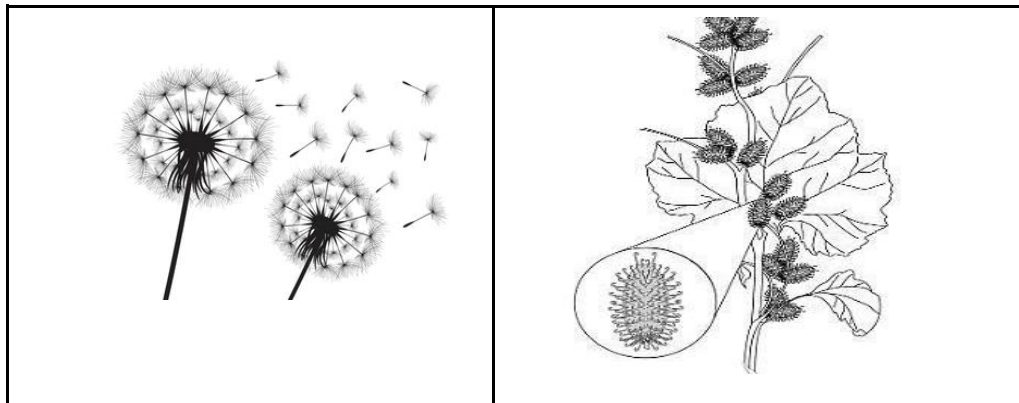
Which of these are made of material that have come from trees?

a) Riya sowed a bean seed in a pot of soil to observe its growth. For many days the seedling did not break out.

Question:

Mention three conditions she should provide to help the seed grow into a young plant.

5. Observe the picture given below and answer the questions.



- a) Identify and name the seeds.
- b) Differentiate the seeds based on the agents of dispersal.
- c) How do the characteristics of the seeds make the agents different?

6. Label the parts of a seed.

