



Name : _____

Date : _____

Grade 4 ()

1. What does a seed need for germination? Tick the correct statement.

<input type="checkbox"/>	air and water only
<input type="checkbox"/>	water and suitable temperature only
<input checked="" type="checkbox"/>	air, water and suitable temperature

2. Some students are investigating germination.



Matt

I will wrap some seeds in cottonwool. I will keep them on my table for a week.

I will wrap some seeds in cottonwool and sprinkle some water on it once a day. I will keep it on my table for a week.



Erica



Lee

I will wrap some seeds in moist cottonwool. I will keep the cottonwool in the refrigerator for a week.

In whose set-up will the seeds germinate? Circle the correct answer.

Matt

Erica

Lee

3. The steps below show how a seed germinates. Write numbers to put the steps in order. One has been done for you.

4	The first leaves appear.
1.	The seed absorbs water.
2	The roots grow downwards.
5	The leaves start to make food.
3	The stem grows upwards.

4. Abdul and Raina planted some bean seeds in identical pots of soil.

They gave the pots an equal amount of water every day.

Abdul kept his pot in the freezer. Raina kept her pot in the garden.

Describe what you would expect to see in both pots after two weeks and why.

Abdul's seeds will not germinate because it is too cold in the freezer.

Raina's seeds germinated as the seeds were put in the garden with suitable temperature.

5. David got a seed for his birthday. He planted it in a pot of soil, but in his haste, poured a lot of water into the pot. After a few weeks, the seed had still not germinated. Give a reason why.

- Too much water prevented the seeds from getting the air needed for germination.