

Needy seeds

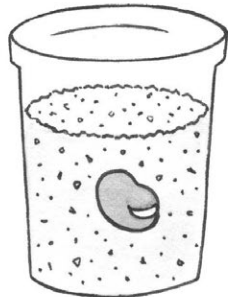


Background knowledge

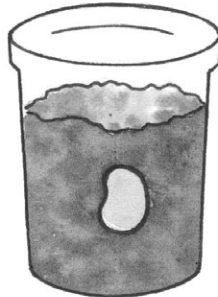
Seeds need water to grow into new plants. Water causes seeds to swell, which cracks their protective coating. This allows the baby plant to get out of the seed. Some seeds need to be kept in a warm place before they will start to grow, while others germinate best if they are kept cool. Seeds do not need to be given food, since there is food stored in them.

Science activity

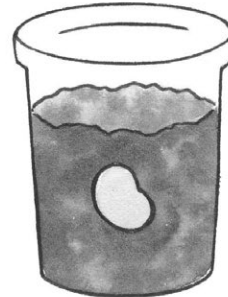
Here are a number of beans that have been planted in different ways.



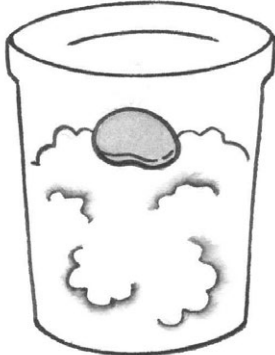
Bean A is planted in sand but not watered.



Bean B is planted in soil and watered every day.



Bean C is planted in soil but not watered.



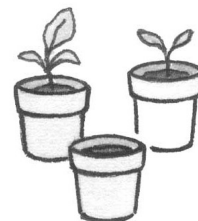
Bean D is planted on cotton wool and watered every day.



Bean E has no soil or water.

Science investigation

Design and conduct an experiment to see if light is needed for the growth of bean seeds. Make sure to use a good sample size of beans.



Which beans do you think will grow?

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Why did you make this choice?

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Needy seeds

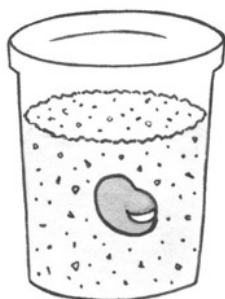


Background knowledge

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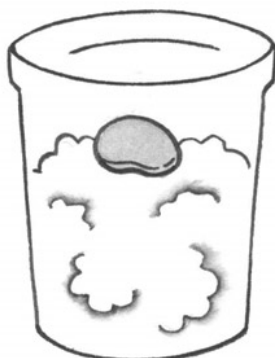
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Science investigation

Seeds need water to grow. They don't need light, because plants have stored food in the seed. The child should place about 10 seeds in the dark and 10 in the light. Control all other factors. Run the experiment for 7 to 8 days.



Which beans do you think will grow?

Beans B and D.....

Why did you make this choice?

They are both watered every day......

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