

BEAN IN A JAR

Learn about germination with a bean in a jar. The seed will germinate and grow with just water, then you'll need to plant it in soil for it to finish growing.

THREE FACTORS AFFECT GERMINATION

OXYGEN  WATER  TEMPERATURE 

You'll need

- Bean seed
- Jar
- Cotton wool or paper towel
- Water



Germination is the sprouting of a seedling from a seed.

Instructions

Swirl a small amount of water around the jar.

Fold your napkin or kitchen roll and place it in the jar (we also made the kitchen roll very slightly damp).

Place the bean seed in the jar resting on the napkin.

Spray some water on the bean every few days.





BEAN IN A JAR

Investigation

Question - is light necessary for germination?

You'll need

- Bean seeds
- 2 jars
- Cotton wool or paper towel
- Water



Instructions

Swirl a small amount of water around each jar.

Place a damp piece of cotton wool, a kitchen towel or a napkin inside each jar. Add one bean into each jar.

Place one jar in the dark and one in the light.

Spray the seeds with a little water each day and watch how they grow.

Results

LIGHT



Height
.....

DARK



Height
.....

Conclusion

Is light is needed for germination?

Yes

No



BEAN IN A JAR

Investigation

Bean kept in the dark

Bean kept in the light

Day

Day



Height
.....



Height
.....

Day

Day



Height
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Height
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Day

Day



Height
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Height
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BEAN IN A JAR

Investigation

Bean kept in the dark

Bean kept in the light

Day

Day



Height
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Height
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Day

Day



Height
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Height
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Day

Day



Height
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Height
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