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| 泸县二中外国语实验学校 |
| 科技节实验报告 |
| 生物部分 |

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| 2023届12班 康棣玮  日期\_\_\_\_\_\_\_\_\_\_\_\_ |

# 科技节实验报告（生物）

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# 科技节实验计划（生物）

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## 提出问题

植物种子在酸性环境下的萌发会受到影响吗？会受到怎样的影响？

（注：由于实验对象的数量广泛，本实验的所有结论不具有普遍性，仅作参考）

## 做出假设

酸性环境会抑制植物种子的萌发与生长。

## 实验器材

足量植物种子，培养皿，清水，食用白醋，脱脂棉，纱布。

## 实验计划

1. 将纱布和脱脂棉裁剪至合适大小后均匀平铺于培养皿中；
2. 将清水和食醋配置成浓度分别为0%、10%、20%、30%、40%、50%的六组等体积溶液；
3. 将溶液分别倒入培养皿中，使脱脂棉充分浸润；
4. 在每组培养皿中均匀放入50粒植物种子；
5. 将所有培养皿放置于温暖湿润的通风橱柜，并适时补充溶液；
6. 用不同的植物种子作为实验对象，重复步骤1~5；
7. 每隔三天观察一次实验数据，连续记录15天。

## 实验结果

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| \_\_\_\_\_\_\_\_种子在酸性环境下的萌发情况 | | | | | |
| 编号 | 第一次观测  萌发率 | 第二次观测  萌发率 | 第三次观测  萌发率 | 第四次观测  萌发率 | 第五次观测  萌发率 |
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## 实验结论

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# 附表：

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| \_\_\_\_\_\_\_\_种子在酸性环境下的萌发情况 | | | | | |
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