Sunflower Germination

Lab Write Up

Testable Question:

How does salinity affect sunflower seed germination?

Independent Variable:

Salt concentration

Dependent Variable:

Number of seeds that germinate

Hypothesis:

If salt concentration increases, then the number of seeds that germinate will \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Materials:

sunflower seeds (3 per bag)

salt solutions (0%, 1%, 2%, 5%)

paper towels

sealable plastic bags

Procedure:

1. Create salt solutions

0% - 30 mL of water

1% - 30 mL of water + 0.30 grams of salt

2% - 30 mL of water + 0.60 grams of salt

5% - 30 mL of water + 1.50 grams of salt

1. Saturate paper towel with salt solution.
2. Fold 3 sunflower seeds into paper towel loosely.
3. Create a bag for each solution.
4. Label your bags.

Data Table:

Graph:

Claim:

Evidence:

Reasoning: