

Resource Sheet 1

Name

Date

Salty Seeds – Lesson 1

Mexico Map





Resource Sheet 2

Name

Date

Salty Seeds – Lesson 1

Mexico Task Instructions

Task 1

1. Give your map a title: **Mexico**.
2. Colour the land in **orange**.
3. Colour the sea in **blue**.
4. Put Mexico's capital city on your map, like this: ● Mexico City
5. Put a pointer to North on a corner of your map. Draw an arrow pointing straight up and put a capital N at the top of the arrow.

Task 2

1. Give your map a title: **Mexico**.
2. Using the internet or an atlas, find out where the arid lands are in Mexico and colour them in **orange**. Then colour the rest of the land in **green** and the oceans in **blue**.
3. Put Mexico's capital city on your map, like this: ● Mexico City
4. Put a pointer to North on a corner of your map. Draw an arrow pointing straight up and put a capital N at the top of the arrow.
5. Draw the Colorado River and the Rio Grande on your map. Label them in very small writing.

Task 3

1. Give your map a title: **Mexico**.
2. Put a compass in the bottom left of your map, pointing North.
3. Find out what the capital of Mexico is, and mark it on the map.
4. Find out where all the rivers are in Mexico, mark them on the map and label them. You may have to use very small writing!
5. Using the internet or an atlas, find out where the arid lands are in Mexico and colour them in **orange**. Then colour the rest of the land in **green**.



Resource Sheet 3

Name

Date

Salty Seeds – Lesson 2

Seed Hypothesis

Step 1: Write your hypothesis (I think that... because...)

Step 2: Prepare the seeds

1. Fill one of the test tubes with water.
2. Put a stopper in the test tube. Write 0 salt onto a label and stick the label on the test tube. This is your control sample.
3. Put $\frac{1}{8}$ of a teaspoon of salt into a beaker with 100mL of water. Stir until all the salt has dissolved, and then pour some of this solution into the second test tube. Put a stopper into it. Write $\frac{1}{8}$ salt onto a label and stick the label on the test tube.
4. Decide how much more salt you are going to put into each of the other 3 test tubes. Make up each salt solution in a beaker then transfer it to a test tube. Label each test tube with the amount of salt in it. **Don't use more than 2 teaspoons of salt.**
5. Put 5 seeds into each of the 5 test tubes, and leave them to soak for between 2 and 24 hours.

Step 3: Sow the seeds and grow the plants

1. Label 5 plant pots with the amount of salt used in the 5 test tubes. Put compost in each pot.
2. Sow the 5 seeds in each pot, making sure that you sow the seeds in the pot with the same label as the test tube.
3. Watch the containers over the next few days and note how many in each pot germinate each day.

Step 4: Gather the results

1. When the seedlings have at least one set of true leaves, take them out of the compost.
2. Record and compare the lengths of their roots.
3. Re-pot the individual seedlings and continue to grow them to compare their growth rates.

Step 5: Test your hypotheses

Was your hypothesis right? How do you know?



Resource Sheet 4

Name _____

Date _____

Salty Seeds – Lesson 2

Seed Results

Record your results in the table.

| Amount of salt | Date sown | Date of first germination | Length of longest root after _____ days |
|----------------|-----------|---------------------------|---|
| Control (0) | | | |
| | | | |
| | | | |
| | | | |



Resource Sheet 5

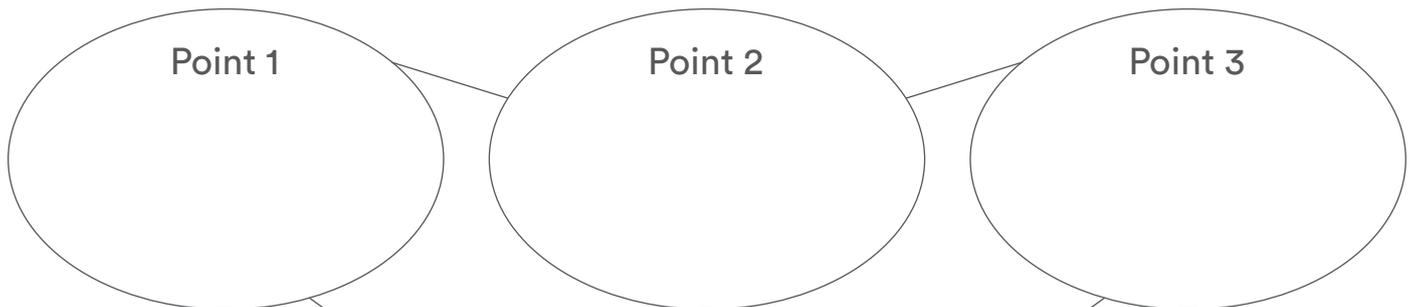
Name

Date

Salty Seeds – Lesson 3

Writing Frame

Introduction



Recommendations

Conclusion



Resource Sheet 6

Name

Date

Salty Seeds – Lesson 3

Debating Framework

This House believes that Mexico should stop exporting food.

Use this framework to develop your argument.

Arguments for:

A large, empty speech bubble with rounded corners and a tail pointing towards the bottom left. It is intended for students to write their arguments in support of the motion.

Arguments against:

A large, empty speech bubble with rounded corners and a tail pointing towards the bottom right. It is intended for students to write their arguments against the motion.