## Are there more ants on a hot day or a cold day

Aim: to see if there are more ants when it's hot or cold

Hypothesis 1: We predict that that there will be more ants when its hot

Hypothesis 2: We predict that the ants will like sugar the most because its sweet

## **Equipment:**

- Extra vinegar olive oil
- L-Glutamine
- cotton balls

Salt

- cookies
- Sugar

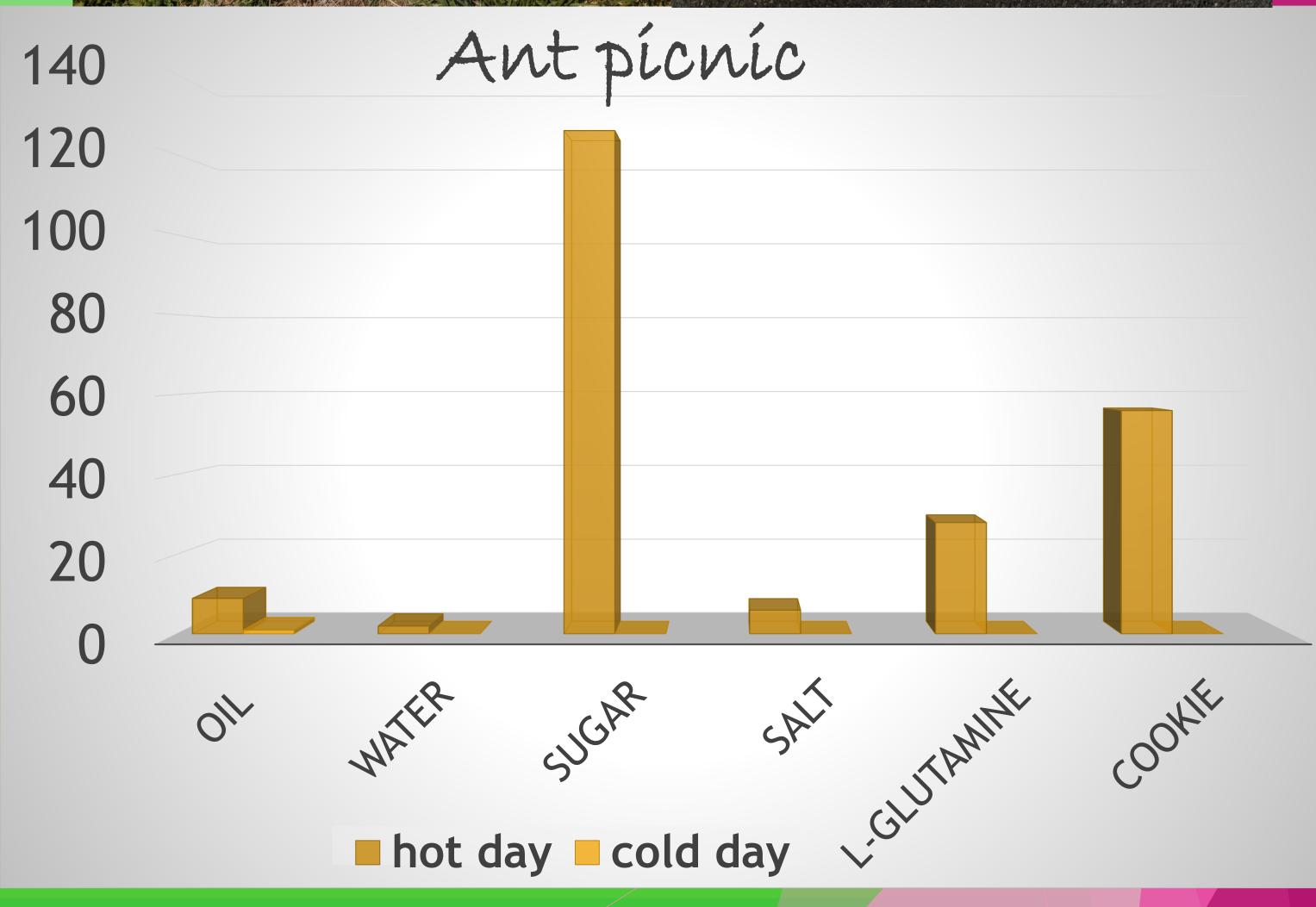
Water

- Ziploc bags
- index cards

## **Method:**

- 1. labelled index cards
- 2. made up 3 solutions with salt, L-Glutamine and sugar
- 3. Soaked cotton ball in sugar, oil, water L-Glutamine, and salt solutions
- 4. Set out ant baits for 1 hour at different locations in the school
- 5. counted the ants we collected
- 6. conducted experiment on a cold day and hot day





Conclusion: our results supported our hypothesis that there are more ants on a hot day, and also supported our hypothesis that the ants were most attracted to sugar.