

The diagram illustrates the experimental design for the study. It shows four groups of samples: Tide Pool 1 (S1), Tide Pool 2 (S2), Nearshore (N), and Field Blank. Each group has three replicates. The samples are collected and then stored in a storage area before being analyzed. The diagram uses color-coded boxes to represent different stages of the process: yellow for collection, green for storage, and purple for analysis. The flow is as follows:

- Tide Pool 1 (S1):** 3 yellow boxes (collection) → 3 green boxes (storage) → 3 purple boxes (analysis).
- Tide Pool 2 (S2):** 3 yellow boxes (collection) → 3 green boxes (storage) → 3 purple boxes (analysis).
- Nearshore (N):** 3 yellow boxes (collection) → 3 green boxes (storage) → 3 purple boxes (analysis).
- Field Blank:** 1 yellow box (collection) → 1 green box (storage) → 1 purple box (analysis).