

# Can't Judge a Powder

## Allendale Division B Invitational

February 25, 2023

- You will have 30 minutes to make observations during Part 1
  - Each team needs 1 of each: powder sample, water, HCl, NaOH, HNO<sub>3</sub> (nitric acid)
  - All observations must be numbered
  - Please write clearly
  - Cross out observations by using a single ~~strikethrough~~
  - If you need extra lined paper, please raise your hand
  - No refills of the powder or reagent will be provided
- Your area must be cleaned up at the end of the 30-minute Part 1
  - Please bring any unused reagents and powder to the collection area
  - Please bring blue pens to the collection area
  - Please rinse out any used materials at a sink
  - If your area is clean, you will be given Part 2 and a black pen
- You will have 10 minutes to complete Part 2
  - Please answer on lines under questions
  - If you have supporting observation(s), write only the corresponding number of the observation(s)
  - If not, you may answer the question directly
- At the end of the event, please turn in pages from both Part 1 and Part 2
  - Please make sure you remember all materials you brought with you
- If you have any questions, please ask!

**Student name(s):** \_\_\_\_\_

**Team:** \_\_\_\_\_ **#:** \_\_\_\_\_