

## Do the Stroop

### Part 1: Experiment

- Read sign #1 and say the **words** out loud.
- Read sign #1 and say the **colors** out loud.
- Read sign #2 and say the **words** out loud.
- Read sign #2 and say the **colors** out loud.

### Questions

- Why do you think people smile or laugh when they read the second sheet?
- Why is it hard to say the colors rather than the words?
- What are some factors that might affect how you do on this test?
- What parts of your brain might be involved when you do this test?

### Part 2: Hypothetical Situation

The stroop test has been given to mountain climbers at at different elevations as they climb Mount Everest. What kind of results would you expect? Explain what you think is happening in the brain to give these results. What is your scientist friend testing?

**Want more information?** Here are some keyword suggestions you can use to find more information on this subject, use one of them when answering part 2: Cingulate gyrus, executive function, attention