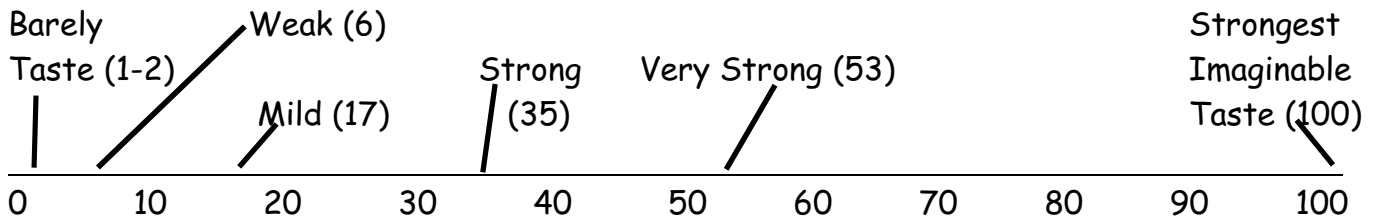


Taste Bud Twister

Name _____

Write the number of taste bud houses (bumps) in the $\frac{1}{4}$ -inch circle on your tongue _____



Sweet Sky Rocket

Rinse your mouth. Mix $\frac{1}{4}$ cup of sugar in a measuring cup and add enough water to make $\frac{1}{2}$ cup. Coat the front half of your tongue with the sugar water. Do not put the swab back in the cup after touching your tongue. Using an "X," mark the sweetness on the scale above.

Salty Slide

Rinse your mouth. Mix 1 teaspoon of salt with $\frac{1}{2}$ cup of water. Coat the front half of your tongue with the salt water. Do not put the swab back in the cup after touching your tongue. Using an "S," mark the saltiness on the scale above.



Hot Sauce Spinner:

Rinse your mouth. Mix $\frac{1}{2}$ teaspoon of Tabasco sauce in $\frac{1}{2}$ cup of water. Coat the first half-inch of your tongue with the Tabasco water. Do not put the swab back in the cup after touching your tongue. Keep your tongue out of your mouth until the burn is strongest. Using an "O," mark the hotness on the scale above.

In the chart below, circle the number closest to your ratings from the scale above. Salt cannot be accurately measured using this test. Compare class results for your own experiment.

Twister Results

Test	Non-taster	Average Taster	Hyper-taster
# of Bumps	10	17	25
Sweet Rating (X)	32	44	56
Hot Rating (O)	31	47	64

Source: Bartoshuk, Linda & Lucchina, Laurie. "The Senses." *U.S. News and World Report*. 122.1 (1977): 51-59.

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