Demonstration | Nerve conduction speed test

Visual Test
1. Subject one dangles dominant hand off the edge of a table.
2. Subject two holds a 30 centimeter (12-inch) ruler between two fingers at the 30 cm mark, having the 0 mark touching subject one's index finger.
3. Subject two tells subject one to grab the ruler as fast as possible, when they SEE it being released.
4. Record the centimeter measurement.
5. Repeat this three times, for a total of four measurements

Auditory Test
1. Subject one is blindfolded before dangling dominant hand off the edge of a table.
2. Subject two holds a 30 centimeter (12-inch) ruler between two fingers at the 30 cm mark, having the 0 mark touching subject one's index finger.
3. Subject two tells subject one to grab the ruler as fast as possible, when they HEAR the word "release" being said.
4. Subject two simultaneously says "release" and lets go of the ruler. Record the centimeter measurement.
5. Repeat this three times, for a total of four measurements

Tactile Test
1. Subject one is blindfolded before dangling dominant hand off the edge of a table.
2. Subject two holds a 30 centimeter (12-inch) ruler between two fingers at the 30 cm mark, having the 0 mark touching subject one's index finger.
3. Subject two tells subject one to grab the ruler as fast as possible, when they FEEL their non-dominant shoulder being touched.
4. Subject two simultaneously touches the shoulder and lets go of the ruler. Record the centimeter measurement.
5. Repeat this three times, for a total of four measurements

Calculate the average centimeter number for each sensory measurement.
Use this chart to determine reaction time.

CM Distance	Seconds		CM Distance	Seconds
3.0	0.08		13.0	0.16
4.0	0.09		14.0	0.17
5.0	0.10		15.0	0.17
6.0	0.11		20.0	0.20
7.0	0.12		25.5	0.23
8.0	0.13		25.5	0.23
9.0	0.13		30.5	0.25
10.0	0.14		43.0	0.30
11.0	0.15		61.0	0.35
12.0	0.16		79.0	0.40

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Virginia Johnson | Adapted from backyardbrains.com, with permission

https://backyardbrains.com/experiments/reactiontime