Your Brain by the NUMBERS

by Dwayne Godwin and Jorge Cham

86 Billion neurons

Thickness of the human cerebral cortex: **4** Millimeters — Equal to 4 credit cards stacked

Area of the cortex, unfolded: **2,500 Cm²** — Equal to a newspaper, unfolded

400 Miles of capillaries — Providence · D.C.

8 Liters — Volume of the sperm whale brain, nature's largest

220 MPH — Speed of a neural impulse

100 Thousand miles of axons — = 4 trips around the Earth!

25 Watts of power

0 Pain receptors

10,000,000,000,000,000 Calculations per second

2 Million with epilepsy

4 Million with Alzheimer's

4 Million with stroke

20 Percent of the body's oxygen consumed

Longest axon on land: **15 Feet** (about 30 feet in whales)

Over **10 Trillion synapses** — More than the number of cells in the entire body!

30 sec — Time it took you to see, read, process and comprehend this page