

Relative Sizes of Things

1. The N atom is about 100,000 times larger than the proton
2. The Molecule is about 10 times larger than the N atom
3. The DNA strand is about 10 times larger than the Molecule
4. The Virus is about 10 times larger than the DNA molecule
5. The bacteria is about 10 times larger than the cold virus
6. The pollen grain is about 100 times larger than the bacterial.
7. The dust mite is about 10 times larger than the pollen grain.
8. The small patch of skin is about 10 times larger than the dust mite
9. The bench is about 100 times an arm patch of skin.
10. The ballpark is about 100 times larger than the bench
11. The city is about 1000 times larger than the park.
12. The river valley is about 100 times larger than the city.
13. Greenland's long dimension is 100 times bigger than a river valley.
14. The earth is about 10 times larger than Greenland's long dimension.
15. Jupiter is about 10 times larger than the Earth
16. The sun is about 10 times larger than Jupiter
17. The inner solar system from sun to Earth's orbit is about 100 times the diameter of the sun.
18. The Sun to the outer reaches of the solar system is about 100 times the distance from earth to sun.
19. The size of the solar system is a small dark dot in this photo of the Orion Nebula (about 100 times smaller).
20. The Orion nebula is about 1/10 the size of the great Carina nebula
21. The Carina nebula is lost, about 1/10 the width of a spiral arm in our Galaxy.
22. The width of a spiral arm is about 1/10 the width of a large galaxy
23. A cluster of galaxies is 100 to 1000 times the size of a galaxy.
24. A super cluster of galaxies is 100 times the size of a cluster of galaxies.
25. A super cluster of galaxies is 1/10 this simulation...a big chunk of the universe.