

PPSC Chemistry Part VII NanoChemistry Online Test

Sr	Questions	Answers Choice
1	The capacity of normal human eye to see the smallest object is _____ micro meter	A. 10000 B. 1000 C. 100 D. 10
2	The tensile strength of a carbon nanotube is _____ times that of steel.	A. 10 B. 25 C. 1000 D. 1000
3	The electrical conductivity of a nano tube is _____ times that of copper.	A. 10 B. 100 C. 1000 D. 1/100
4	Nano technology in other words is.	A. Carbon engineering B. Atomic engineering C. Small technology D. Microphysics
5	20 micron = _____ nm	A. 20×10^{-9} B. 20000 C. 200 D. 20×10^9
6	In radial direction the thermal conductivity of a nano tube is _____ watt/(m.k)	A. 3500 B. 385 C. 0 D. 350
7	Which of the following is class of nanorods	A. metals B. alloys C. Metal oxide and Metal sulphite D. All of the above
8	What is graphene.	A. A new material made from carbon nanotubes B. A one atom thick sheet of carbon C. This film made from fullerene D. A software tool to measure and graphically represent nanoparticles.
9	1 meter = _____ nm	A. 10^9 B. 10^{-9} C. 10^{10} D. 10^{-10}
10	Nanoscience can be studied with the help of	A. Quantum mechanics B. Newtonian mechanics C. Macro dynamics D. Grophysics
11	Which of the following does not apply to nanotechnology.	A. It is a general purpose technology B. It can be called Green technology C. Newtonian mechanics can describe it. D. It involves rearrangement of atoms
12	_____ are the extensions of bucky balls.	A. Goodesic domes B. Hexagons C. Carbon nanotubes D. AFM and STM
13	The width of a typical DNA molecule is _____ nm	A. 1 B. 2 C. 5 D. 10
14	Egyptians were using _____ to prepare make up for eyes.	A. Nanoaluminium B. Nanocopper C. Nanosteel D. Nanolead

15	The width of a carbon nano tube is. _____ nm	<p>B. 1.3 C. 2.5 D. 10</p>
16	Attention should be focused on qualitative changes in particle properties as a function of.	<p>A. Particle numebrs B. Particle mass C. Particle size D. Particle density</p>
17	The most important problem regarding nano chemistry	<p>A. Elucidation of relationship between also and chemical reactivity of particle B. Determination of size of particle C. Determination of reactivity of particle D. Determination of physical properties of nano particles.</p>
18	The thermal conductivity of an SWNT along length is _____ watt/(m.k)	<p>A. 35 B. 330 C. 386 D. 3500</p>
19	What is abuckyball	<p>A. A carbon molecule B. Nickname for Mercedes -Benz's futuristic concept car (CIII) C. Plastic explosives nanoparticle (C4) D. Concrete nanoparticle with a compressive strength of 20 nanonewtons(C20)</p>
20	The size of nanoparticles is between _____ nm	<p>A. 100 to 1000 B. 1 to 100 C. 0.1 to 10 D. 0.01 to 1</p>