

Question 1: The quantum confinement effect is observed when the size of the nanoparticle is _____ to be comparable to the wavelength of the electron.

- large
- small
- constant
- equal to wavelength of electron

Question 2: Which of the following is a solar photocatalytic remediation, however has a weaker photocatalytic effect compared to TiO₂

- Zinc dioxide
- Platinum oxide
- Sodium hydroxide
- Indium tin oxide

Question 3: The drug resistance occurs due to the presence of

- Chemical barrier
- Physiological barrier
- Physiochemical barrier
- None of the given

Question 4: An amount of incident light is converted into an output current by:

- solar cell
- Photodiodes
- Optical Sensors
- Reflective Sensors

Question 5: The self-healing properties of natural adhesives are due to the properties of the _____ contained in them?

- Proteins
- Glycans
- minerals
- covalent bond

Question 6: Liquid crystal is a phase that exists between

- Liquid and gas
- Gas and plasma
- Solid and liquid
- None of the given