

# **Nanoscience and nanotechnology**

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# Questions

1. What is the difference between 'nanoscience' and 'nanotechnology'?
2. What features on the lotus leaf are responsible for its water-repellent behaviour?
3. What nanomaterial is produced by electrospinning?
4. What are some of the public concerns regarding the use of nanoparticles?
5. Do carbon nanotubes have one, two or three dimensions in the nanoscale?
6. Approximately how small is 'nano'?
  - a.  $10^{-6}$  metres
  - b.  $10^{-9}$  metres
  - c.  $10^{-12}$  metres

