Particle Characterization: Module 11, Lecture 30

1. How does flame synthesis differ from flame spray pyrolysis?
2. How can ultrasound be used in bottom-up & top-down synthesis?
3. Name some equipment used for particle size reduction.
4. How does a high-energy ball mill differ from a conventional one?
5. Why is there a minimum size below which milling will not provide reduction?
6. In what size range is ball milling more energy-efficient than sonication?
7. Describe cavitation & streaming mechanisms in acoustic fields.
8. How do frequency & amplitude affect cavitation intensity?
9. What are some advantages of sono-fragmentation?
10. Sketch the mechanism of sono-fragmentation.