

# Chemistry: Nanoparticles

## Malti Sharma

<http://www.telresources.org/resource84>

TYPE	ACTIVITY PLAN
LEVEL	tertiary
MODALITY	blended
SUBJECT	chemistry
TECHNOLOGY	internet resource,video,whiteboard
KEYWORDS	nanoparticles,tyndall effect,bulk material,reducing agent,sodium citrate

Undergraduate students will learn the preparation of gold nanoparticles, characterise it and from color change they they will confirm the formation.<br><br>Lesson Summary: <br>Students will review the concept of nanoparticles, why are they different from bulk materials and their preparation in laboratory by sodium citrate using chemical reduction method. <br><br>Lesson Objective:<br>To provide students with an opportunity to develop a laboratory method for the synthesis of gold nanoparticles and compare the change of color of the solution with time. They will also confirm the formation of nanoparticles by simple technique.

CONTACT	email
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