

Astronomy from 4 perspectives: The Dark Universe

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Introducing Supernovae to students

1. Mechanics
How to measure distances? Compare brightness of supernovae
2. Chemistry
Experiment: different colors of flames => spectrum => find out which type of supernova you have
3. Optics
gravitation lenses; light as a particle
4. Thermodynamics
how does supernovae explode? (with Guy-Lussac's Law)