

Laser Light vs. Lightbulb light

Cleaning with Light – Application Chapter 11

1. What does 'manual scraping' mean?
2. How exactly does laser clean art?
3. What are the advantages of using laser to clean art?
4. Based on last sentence, where lasers developed for scientific reasons or technological reasons?

Lasers are:

- extremely **accurate**
- can be very very **narrow** (precise)
- can be of **varying intensity** (strength)
- **can** be strong enough to **burn** something
- travel in **straight lines** for a very long time if unimpeded.
- travel at the **speed of light** (3×10^8 m/s)
- **reflect like light** (reflect following light rules)

Which property/properties of lasers is used for:

- a) laser eye surgery _____
- b) bouncing laser beams off the moon to determine the distance _____
- c) laser levelers (carpenters/builders) _____
- d) cleaning art with lasers _____
- e) CD player _____