



## NIU Laser Safety Quiz

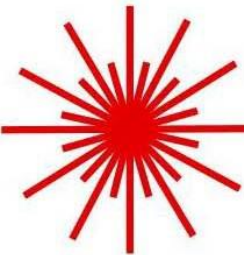
### References:

NIU Online Laser Safety Training Module  
NIU Laser Safety Program  
NIU Laser Safety Manual  
NIU Laser Safety Video

### Instructions:

1. Please (carefully) read NIU laser safety references before taking the quiz.
2. Print out this form and circle correct answers in black ink.
3. This is an open book exam please refer to NIU references.
4. Print full name, name of principal investigator (professor/researcher), laser location, NIU phone number, e-mail address, and today's date on spaces provided.
5. Read each question carefully and answer them all.
6. Quiz should take about 15 minutes to complete.
7. Sign your name at bottom of quiz.
8. **Make a copy of completed form for your records and send the original through campus mail to:**

**Office of Research Compliance and Integrity  
Michele Crase**



**Any questions please call Michele Crase 815-753-9251**



Northern Illinois  
University

## Laser Safety QUIZ

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Name of principal investigator (professor/researcher): \_\_\_\_\_

NIU Phone #: \_\_\_\_\_ e-mail address: \_\_\_\_\_

Laser Lab location (Building/room #): \_\_\_\_\_

### Quiz (circle best answer)

1. At NIU which classes of lasers must be registered with the laser safety officer (LSO)?
  - a. Class 3a
  - b. Class 2
  - c. Class 1
  - d. Class 3b
  - e. Class 3b and 4
2. A class 1 laser under normal operating conditions is not considered a hazard (true or false)?
3. A class 2 laser beam is invisible (true or false)?
4. A laser needs an energy source to produce a beam (true or false)?
5. A laser medium in an excited state spontaneously decays directly to a ground state (true or false)?
6. Incandescent and laser light are both monochromatic (true or false)?
7. Laser light cannot damage the cornea of the human eye (true or false)?
8. A class 4 laser beam can cause a fire (true or false)?
9. The PI must maintain procedures for all lasers in use (true or false)?
10. Class 3b and/or class 4 lasers must be posted with appropriate warning signs (true or false)?
11. A laser control area does not require any supervision (true or false)?
12. Beam stops (backstops) must be constructed from diffusely reflecting material (true or false)?

13. It is OK to look at a class 4 lasers without appropriate laser safety eyewear (true or false)?

14. LASER stands for Light Amplification by Stimulated Emission of Radiation (true or false)?

15. Laser hazard classification is part of the ANSI standard Z136.1 (2007) (true or false)?

Quiz completed by: \_\_\_\_\_

*Please sign name*

*Your signature indicates that you have read and understand the reference material indicated on page 1 of this document.*

**Mail Completed Quiz through campus mail to Office of Research  
Compliance and Integrity, Attn: Michele Crase**