

The Past, Present and Future of Laser Technology II



Warm up!



Check the important words and phrases used in the session and what they mean. You can also use the read-aloud voice on the website to check your pronunciation.

<input checked="" type="checkbox"/> Words & Phrases	訳
<input type="checkbox"/> 1. laser welding	レーザー溶接
<input type="checkbox"/> 2. mechanics	構造、機構
<input type="checkbox"/> 3. multi-photon	多光子
<input type="checkbox"/> 4. non-invasive	非侵襲性の
<input type="checkbox"/> 5. scalpel	外科用メス
<input type="checkbox"/> 6. bleeding	出血
<input type="checkbox"/> 7. cavity	虫歯
<input type="checkbox"/> 8. lesion	傷、病変
<input type="checkbox"/> 9. cornea	角膜
<input type="checkbox"/> 10. retina	網膜
<input type="checkbox"/> 11. tomography	トモグラフィー、X線断層写真撮影（法）
<input type="checkbox"/> 12. affordable	入手可能な、手頃な
<input type="checkbox"/> 13. neuron	ニューロン、神経単位
<input type="checkbox"/> 14. synergy	相乗効果
<input type="checkbox"/> 15. scanner	スキャナー、走査器
<input type="checkbox"/> 16. scan	～をスキャンする、走査する
<input type="checkbox"/> 17. launch	～を開始する
<input type="checkbox"/> 18. journal paper	学術論文誌
<input type="checkbox"/> 19. benefit	～のためになる
<input type="checkbox"/> 20. pitfall	不測の危険 [困難]、落とし穴



Let's join the session!



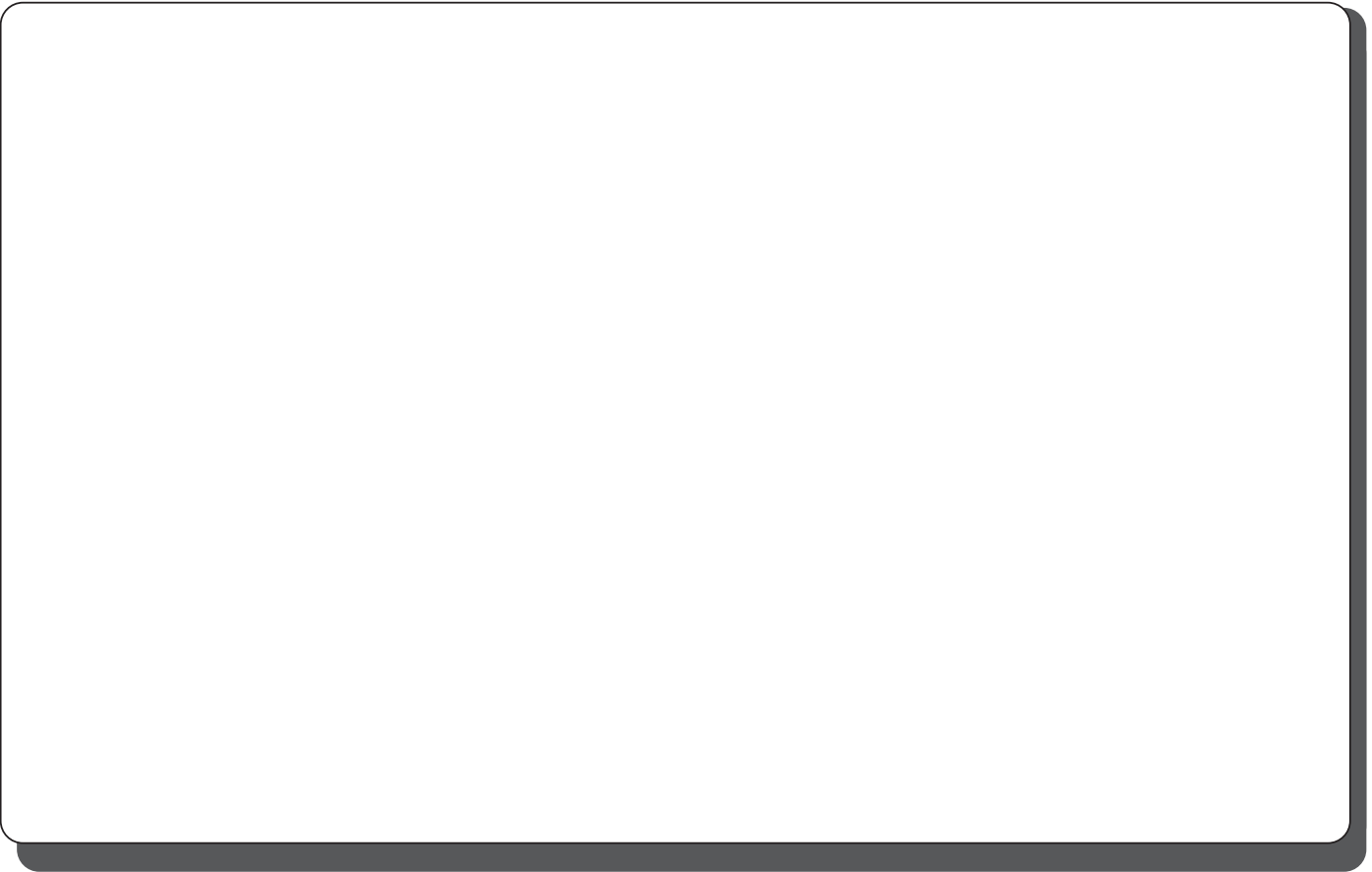
The following questions are based on the contents of the session. Watch the session and answer each question.

[1] What can ultrafast pulsed laser do to metal and glass?

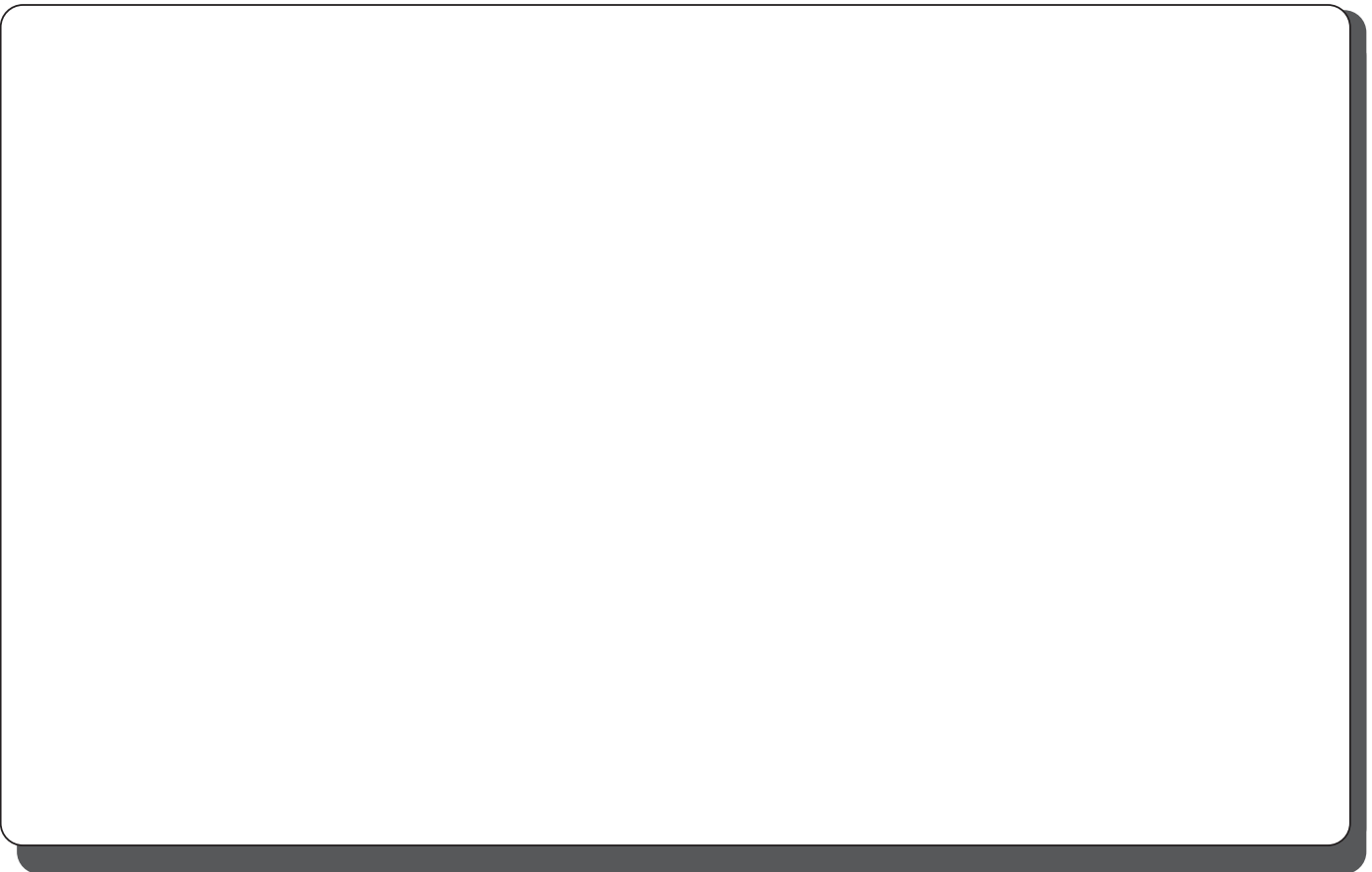
[2] How are ultrafast pulsed lasers used in biological and medical applications?

[3] What is distinctive about multi-photon microscopes?

[4] Why is inter-disciplinary research important in modern times?



[5] What is your opinion on how advanced research in university labs can be made beneficial to society?



[2] Write down what you learned in today's session.

