

# NEWS ENGLISH LESSONS.com

## Download speed of 70 DVDs per second

**MANY FLASH AND ONLINE ACTIVITIES FOR THIS LESSON, PLUS A LISTENING, AT:**

[http://www.NewsEnglishLessons.com/1206/120626-internet\\_transfer\\_speeds.html](http://www.NewsEnglishLessons.com/1206/120626-internet_transfer_speeds.html)

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**ALL ANSWERS ARE IN THE TEXT ON PAGE 2.**

**26th June, 2012**

# THE READING / TAPESCRIPT

From: [http://www.NewsEnglishLessons.com/1206/120626-internet\\_transfer\\_speeds.html](http://www.NewsEnglishLessons.com/1206/120626-internet_transfer_speeds.html)

Internet download speeds are getting faster and faster. A decade ago, we measured things in kilobytes per second; today it's megabytes, and soon it may be terabytes (one terabyte is 1,000 gigabytes). Scientists in the USA and Israel have created a wireless system that can transfer 2.5 terabits per second. That's around 300 gigabytes, or the data on 70 DVDs. If you don't understand those numbers, 2.5 terabits a second is around 24,000 times faster than today's high-speed connections.

Researchers created what they call "infinite-capacity wireless vortex beams" that can transfer an unlimited amount of data. It is the fastest wireless network ever created and it could seriously change how we work and play online. The system works by twisting light in a corkscrew shape and the information travels along the beam of light. Things are still at the early stages – scientists can only send data a distance of one metre. They say that the next step is to figure out how to create satellite-to-satellite communication.

# PHRASE MATCH

From: [http://www.NewsEnglishLessons.com/1206/120626-internet\\_transfer\\_speeds.html](http://www.NewsEnglishLessons.com/1206/120626-internet_transfer_speeds.html)

**Match the following phrases from the article.**

## Paragraph 1

- |                                    |                        |
|------------------------------------|------------------------|
| 1. speeds are getting              | a. 24,000 times faster |
| 2. A decade                        | b. faster and faster   |
| 3. a wireless                      | c. speed connections   |
| 4. the data                        | d. ago                 |
| 5. 2.5 terabits a second is around | e. on 70 DVDs          |
| 6. today's high-                   | f. system              |

## Paragraph 2

- |                                 |                      |
|---------------------------------|----------------------|
| 1. transfer an unlimited        | a. out how to        |
| 2. the fastest wireless network | b. amount of data    |
| 3. information travels along    | c. communication     |
| 4. a distance                   | d. the beam of light |
| 5. figure                       | e. ever created      |
| 6. satellite-to-satellite       | f. of one metre      |

# LISTENING GAP FILL

From: [http://www.NewsEnglishLessons.com/1206/120626-internet\\_transfer\\_speeds.html](http://www.NewsEnglishLessons.com/1206/120626-internet_transfer_speeds.html)

Internet download speeds \_\_\_\_\_ and faster. A decade ago, \_\_\_\_\_ in kilobytes per second; today it's megabytes, and \_\_\_\_\_ terabytes (one terabyte is 1,000 gigabytes). Scientists in the USA and Israel have created \_\_\_\_\_ that can transfer 2.5 terabits per second. That's around 300 gigabytes, \_\_\_\_\_ 70 DVDs. If you don't understand those numbers, 2.5 terabits a \_\_\_\_\_ 24,000 times faster than today's high-speed connections.

Researchers created \_\_\_\_\_ "infinite-capacity wireless vortex beams" that can transfer \_\_\_\_\_ of data. It is the fastest wireless network \_\_\_\_\_ it could seriously change how we work and play online. The system works \_\_\_\_\_ in a corkscrew shape and the information travels along \_\_\_\_\_. Things are still at the early stages – scientists can only send data a distance of one metre. They say that the next step \_\_\_\_\_ how to create satellite-to-satellite communication.

# MULTIPLE CHOICE

From: [http://www.NewsEnglishLessons.com/1206/120626-internet\\_transfer\\_speeds.html](http://www.NewsEnglishLessons.com/1206/120626-internet_transfer_speeds.html)

Internet download speeds are getting faster and (1) \_\_\_\_\_. A decade ago, we measured (2) \_\_\_\_\_ in kilobytes per second; today it's megabytes, and soon it may be terabytes (one terabyte is 1,000 gigabytes). Scientists in the USA and Israel have created a wireless (3) \_\_\_\_\_ that can transfer 2.5 terabits per second. (4) \_\_\_\_\_ around 300 gigabytes, or the (5) \_\_\_\_\_ on 70 DVDs. If you don't understand those numbers, 2.5 terabits a second is around 24,000 times faster than today's high-speed (6) \_\_\_\_\_.

Researchers created what they (7) \_\_\_\_\_ "infinite-capacity wireless vortex beams" that can transfer an (8) \_\_\_\_\_ amount of data. It is the fastest wireless network ever created and it could (9) \_\_\_\_\_ change how we work and play online. The system works by twisting light in a corkscrew shape and the information travels (10) \_\_\_\_\_ the beam of light. Things are still at the early stages – scientists can only send data a (11) \_\_\_\_\_ of one metre. They say that the next step is to figure (12) \_\_\_\_\_ how to create satellite-to-satellite communication.

## Put the correct words from this table into the article.

- |     |                 |                 |                    |
|-----|-----------------|-----------------|--------------------|
| 1.  | (a) faster      | (b) fast        | (c) fastest        |
| 2.  | (a) thing       | (b) thinks      | (c) things         |
| 3.  | (a) radio       | (b) system      | (c) electricity    |
| 4.  | (a) That's      | (b) Them        | (c) Those          |
| 5.  | (a) ratio       | (b) ditto       | (c) data           |
| 6.  | (a) reflections | (b) connections | (c) commemorations |
| 7.  | (a) call        | (b) shout       | (c) whisper        |
| 8.  | (a) unlimited   | (b) limited     | (c) limitless      |
| 9.  | (a) series      | (b) securely    | (c) seriously      |
| 10. | (a) over        | (b) along       | (c) first class    |
| 11. | (a) far         | (b) distance    | (c) way            |
| 12. | (a) up          | (b) in          | (c) out            |

# SPELLING

From: [http://www.NewsEnglishLessons.com/1206/120626-internet\\_transfer\\_speeds.html](http://www.NewsEnglishLessons.com/1206/120626-internet_transfer_speeds.html)

**Spell the jumbled words (from the text) correctly.**

## Paragraph 1

1. tnigetg faster and faster
2. A aeeddc ago
3. 1,000 ibstgyaeg
4. sniitsscet in the USA
5. a rwilsees system
6. today's high-edspe connections

## Paragraph 2

7. an unlimited munota
8. soryiules change how we work
9. isgwttni light
10. corkscrew ehspa
11. a tinasecd of one metre
12. tasltiele communication

# PUT THE TEXT BACK TOGETHER

From: [http://www.NewsEnglishLessons.com/1206/120626-internet\\_transfer\\_speeds.html](http://www.NewsEnglishLessons.com/1206/120626-internet_transfer_speeds.html)

## Number these lines in the correct order.

- ( ) change how we work and play online. The system works by twisting light in a corkscrew
- ( ) Researchers created what they call "infinite-capacity wireless vortex beams" that can
- ( ) in kilobytes per second; today it's megabytes, and soon it may be terabytes (one terabyte is
- ( ) 1,000 gigabytes). Scientists in the USA and Israel have created a wireless
- ( ) 24,000 times faster than today's high-speed connections.
- ( ) system that can transfer 2.5 terabits per second. That's around 300 gigabytes, or the data
- ( ) shape and the information travels along the beam of light. Things are still at the early
- ( ) on 70 DVDs. If you don't understand those numbers, 2.5 terabits a second is around
- ( ) transfer an unlimited amount of data. It is the fastest wireless network ever created and it could seriously
- ( ) step is to figure out how to create satellite-to-satellite communication.
- ( ) stages – scientists can only send data a distance of one metre. They say that the next
- ( **1** ) Internet download speeds are getting faster and faster. A decade ago, we measured things

# THE READING / TAPESCRIPT

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**With a partner, put the words back into the correct order.**

1. speeds getting download are faster Internet.

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2. kilobytes in things measured We second per.

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3. can wireless second transfer system 2.5Tb that A per.

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4. understand numbers If don't those you.

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5. speed - high today's than faster times 24,000 connections.

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6. Beams transfer amount can unlimited data that an of.

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7. a shape Twisting in corkscrew light.

---

8. the The beam information of travels light along.

---

9. metre Scientists can only send data a distance of one.

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10. next out step how is to The figure.

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## **DISCUSSION (Write your own questions)**

### **STUDENT A's QUESTIONS (Do not show these to student B)**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

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## **DISCUSSION (Write your own questions)**

### **STUDENT B's QUESTIONS (Do not show these to student A)**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

# WRITING

From: [http://www.NewsEnglishLessons.com/1206/120626-internet\\_transfer\\_speeds.html](http://www.NewsEnglishLessons.com/1206/120626-internet_transfer_speeds.html)

**Write about Internet download speeds for 10 minutes. Show your partner your paper. Correct each other's work.**

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# HOMEWORK

**1. VOCABULARY EXTENSION:** Choose several of the words from the text. Use a dictionary or Google's search field (or another search engine) to build up more associations / collocations of each word.

**2. INTERNET DOWNLOAD SPEEDS:** Search the Internet and find more information about Internet download speeds. Talk about what you discover with your partner(s) in the next lesson.

**3. MAGAZINE ARTICLE:** Write a magazine article about Internet download speeds. Include an imaginary interview with a computer engineer. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

**4. WHAT HAPPENED NEXT?** Write a newspaper article about the next stage in this news story. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

**5. LETTER:** Write a letter to an Internet expert. Ask him/her three questions about Internet download speeds. Give him/her three of your opinions on how to make the Internet better. Read what you wrote to your classmates in the next lesson. Your partner will answer the questions you asked.