

PART I – READING COMPREHENSION – Read the following text and answer questions 1 to 10.

WARMER WEATHER CAUSES HEADACHES

Scientists in the USA have found a strong link between headaches and warmer weather. In the field of Biometeorology, many studies have suggested that the weather can affect people's health and for many years people have believed that an abrupt **rise** in temperatures can cause headaches. Doctors at Beth Israel Deaconess Medical Center in Boston now know it is true.



Researchers did a study on 7,054 patients with a headache in that hospital between May 2000 and December 2007. Researchers compared the medical records with weather reports. **Their** research showed that the main cause of the patients' headaches was a rise in the temperature – the weather got warmer in the previous 24 hours. The research team said that

the chances of getting a bad headache are 7.5 percent bigger with every five-degree Celsius rise in the temperature.

Doctors commonly think that changes in air pressure can cause headaches in some people, **but** this study did not prove that. Air pollution was not a factor, either. But when it got warm, the number of headaches **climbed**. Doctors cannot completely understand headaches, so it is not clear how a change in the temperature causes **them**, either. One theory is that the warmer weather reduces blood pressure and that affects how blood **flows** around the brain.

Adapted from: www.breakingnewsenglish.com and www.weatherblog.abc13.com

Glossary:
Headache = dor de cabeça
Blood = sangue

I – UNDERSTANDING THE TEXT

- The main idea of the text above is to:
 - explain the cause of headaches.
 - describe how biometeorology works.
 - show the result of a study about headaches.
 - show the link between weather and health.
- The text above says that:
 - temperature changes can cause headaches.
 - they studied more than ten thousand patients.
 - they did the research in less than seven years.
 - changes in air pressure cause headaches.
- According to the text, the researchers did the study with patients:
 - in Boston hospitals.
 - at Beth Israel Deaconess Medical Center.
 - at US medical centers.
 - with headaches in Boston.
- Choose the **INCORRECT** alternative according to the results of this research.
 - Blood pressure is higher with warmer temperatures.
 - People have more headaches when it gets 5°C warmer.
 - The doctors have not learned all about headaches.
 - Air pollution does not cause headaches.

II – REFERENCE

- The possessive **'their'** (line 15) refers to:
 - the medical records
 - the patients
 - the weather reports
 - the researchers
- The pronoun **'them'** (line 28) refers to:
 - doctors
 - temperature changes
 - headaches
 - theories

III – VOCABULARY

- In the text, the word **'rise'** (line 8) means:
 - fall
 - alteration
 - reduction
 - elevation
- In the text, the word **'climbed'** (line 26) means:
 - got warm
 - went down
 - rose
 - changed
- The word **'but'** (line 23) states in the sentence the idea of:
 - contrast
 - consequence
 - addition
 - condition

- a) in front b) on the corner of c) in the corner of d) opposite

Answer questions **31 to 40** according to the instructions.

31. Choose the option where the adjective – adverb form is **CORRECT**.
 a) bad – badly / good – goodly c) happy – happily / easy – easily
 b) quick – quickly / stylish – stylishly d) careful – carefully / fast – fastly
32. Choose the option where all nouns are **UNCOUNTABLE**.
 a) banana – grape – pineapple c) mushroom – tea – carrot
 b) sugar – pea – rice d) cream – jam – butter
33. Choose the option where the adjective is **INCORRECT**.
 a) They make a lot of noise. They're quiet children. c) Our dog gets aggressive near strangers.
 b) He is very stylish. His clothes are modern. d) She sent me a thank-you card. She's very polite.
34. Choose the option where the words are **NOT OPPOSITES**.
 a) wet – dry b) generous – friendly c) cold – hot d) quiet – talkative
35. Choose the option where the underlined letters have a **DIFFERENT** pronunciation from **e** in the word 'yes'.
 a) friend b) said c) met d) pears
36. Choose the option where the underlined letters have a **DIFFERENT** pronunciation from **c** in the word 'cake'.
 a) cold b) Christmas c) actor d) cereal
37. Choose the option where the pronunciation of '-s' is **THE SAME** as in 'looks'.
 a) steps b) runs c) provides d) plays
38. Choose the option which has the **INCORRECT** form of the **past participle**.
 a) She has spend a lot of money on clothes. c) We have sent a lot of emails today.
 b) He has run five marathons. d) They have met some famous people.
39. Choose the option where the letters **GH** underlined have **THE SAME** pronunciation as in 'laugh'.
 a) weight b) through c) thought d) cough
40. Choose the option where the pronunciation of **-ed** is **THE SAME** as in 'cried'.
 a) wanted b) talked c) called d) pronounceded

For questions **41 to 50**, fill in the blanks with the appropriate word(s) and mark the **CORRECT** alternative.

Blu-ray Disc, or just Blu-ray, is an optical disc. Its main uses are for high-definition video and PlayStation 3 video games. The Blu-ray Disc Association designed Blu-ray as a substitute for the standard DVD format. The discs have the same physical dimensions as standard DVD, but Blu-rays have a _____⁴¹ capacity – 50 gigabytes or more. The name *Blu-ray Disc* derives from the "blue laser" that reads the disc. This "blue" laser color is actually violet. Before the big digital video producers decided to use Blu-ray as their official high-definition optical disc, Blu-ray discs competed with the HD DVD format. _____⁴² formats are _____⁴³ than the DVD, with a capacity of only about 4.7 gigabytes, _____⁴⁴ for high-definition images. The HD DVD was _____⁴⁵ the Blu-Ray, but in February 2008 this war came to an end. The major video producers decided to use only BluRay as a substitute for regular DVDs. Some analysts believe that Sony's [PlayStation 3](#) video game was important in the decision because it used a Blu-Ray disc drive. In June 2009, 1,500 Blu-ray Disc titles _____⁴⁶ available in Australia and the United Kingdom, with 2,500 in Japan, the United States and Canada. High-definition software sales were _____⁴⁷ _____⁴⁸ standard DVD in the first two years, but people _____⁴⁹ Blu-ray _____⁵⁰ than the DVD format was at a similar period in its development.

41. a) the greatest b) more great c) greater d) most great
 42. a) Both b) None c) A lot d) Much
 43. a) more good b) better c) most best d) best
 44. a) too smaller b) too little c) very smaller d) very much little
 45. a) cheaper b) cheaper than c) cheap as d) more cheaper than
 46. a) were b) have been c) are being d) are
 47. a) slowest b) slowly c) slower d) more slower

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|---------------------|----------|-------------|----------------|
| 48. a) to | b) of | c) as | d) than |
| 49. a) are adopting | b) adopt | c) adopting | d) have adopt |
| 50. a) more faster | b) fast | c) faster | d) more fastly |