

MÓDULO 3
INTERPRETAÇÃO TEXTUAL

TEXT

THAW DETECTOR

When you buy frozen food at the supermarket, how can you tell if the food has been thawed and refrozen, giving bacteria an opportunity to breed? You can't. But that could soon change, with the introduction of a patented detector that makes shoppers see red when food goes bad.

The detector relies on thin wire, made from nickel and titanium, that changes shape when warmed. At temperatures above freezing, the wire contracts with enough force to rip a small sheet of green paper, exposing a red label beneath it. When the wire cools, it returns to its original shape, but the red warning remains visible.

Smaller than a thumbnail, the detector contains only a few cents worth of raw materials and requires no power source. A larger, resettable version can monitor a home refrigerator.

Sandia National Laboratories manager David Martinez and University of New Mexico engineering professor Mo Shahinpoor developed the detector in 1994 but received the patent only this April. They envision the device being used not only to detect defrosted food, but also to warn if sensitive pharmaceuticals, such as insulin, have been exposed to heat.

- c) spoiled
- d) refrozen
- e) defrosted.

Questão 01

(EN 2000) The word “*thaw*” in the title of the passage means

- a) reduction in tension and hostility.
- b) freedom from the physical effect of frost.
- c) change of a state by gradual warming.
- d) period during which ice and snow melt.
- e) less reserved state.

Questão 02

(EN 2000) The main idea of the passage is

- a) the importance of thawing foods.
- b) the effect of freezing foods.
- c) a description of a food detector mechanism.
- d) the introduction of an anti-bacteria food device.
- e) the manufacturing of a thaw detector.

Questão 03

(EN 2000) The word “*breed*” has the meaning of

- a) reproduce
- b) raise
- c) decrease
- d) discard
- e) maintain

Questão 04

(EN 2000) The word “*pharmaceuticals*” refers to:

- a) device
- b) food
- c) patent
- d) heat
- e) insulin

Questão 05

(EN 2000) The consumer will “*see red*” if the food is

- a) frozen
- b) thawed

GABARITO				
1	2	3	4	5
b	c	a	e	c