

Rules

1. Keep your eyes closed while playing! (Yellow)

Why use sight when you've got hearing too?

2. Play the citizens only (Red)

Public opinion often put a brake on scientific progress.

Play exclusively with the citizens.

3. Wave your arms with your mate (Green)

Collaboration is necessary for playing, experimenting and working.

Collaborate if you want to win.

4. Twist your hampered arms (Blue)

Scientists are often hampered and have hands tied.

Twist your arms.

5. X ball!

Scientific discoveries are unexpected, like the results.

Change team, but not the score.

6. Question ball!

Science answer to many questions...

7. Play normally. (White)

You are an anatomist of the XVI century; You can carry out your job freely after many years of conflicts and adversities.

Questions

1 The bionic nose is:

-a species of butterfly

-a biosensor that can identify certain odours

-a game for children

2 Who among the scientists discovered the olfactory receptors and genes that produce them, winning the Nobel Prize for Medicine in 2004?

-Stephen Hawking

-Richard Axel and Linda Buck

-Christiaan Huygens

3 How many odours can the mammals detect and store?

-300

-5000

-more than 10,000

4 George Preti, an expert of the Monell Chemical Senses Center in Philadelphia, is trying to develop a sensor that can sniff:

- AIDS
- tumors
- state of mind

5 How many nasal forms did Professor Abraham Tamir of Ben Gurion University find out, the one who led a study analyzing photos of 1,300 people taken in shopping centers in Europe and Israel?

- 7
- 14
- 28

6 What does CIPA, the rare congenital disease of the nervous system?

- Hearing-loss
- Intolerance to light
- Absence of tactile perception

7 Which corpuscle is the main responsible for detecting pressure of the skin?

- Ruffini's corpuscle
- Meissner's corpuscle
- Pacini's corpuscle

8 Where has the bionic hand, - the electronic limb able to perceive sensory and natural formations in real time - , been designed?

- Pisa
- Boston
- Ginevra

9 What are the parts that make up the middle ear?

- cochlea, eardrum, hammer and perichondrium
- eardrum, hammer, anvil and stirrup
- eardrum, hammer, Eustachian tube and the acoustic nerve

10 Which frequencies is the human ear able to perceive?

- between 5 and 5000 Hertz
- between 100 and 10,000 Hertz
- between 20 and 20,000 Hertz

11 What causes dizziness?

- the fear of falling
- a degeneration of the bony structures of the nasal septum
- a hyperstimulation of the fluid in the ear

12 What is nanotechnology?

- an applied science that deals with the matter of the size scale below the micrometer
- a miniaturization procedure in manufacturing
- the application of garden gnomes in the technical-practical

13 Who is responsible for the coining of the term nanotechnology?

- Kim Eric Drexler, US engineer
- Richard Feynman, American physicist
- Antoni Van Leeuwenhoek, Dutch scientist

14 What colour is unclear about a colour-blind?

- red and purple
- blue and yellow
- green and orange

15 How many are the senses in humans?

- 12
- 9
- 5

16 What is umami?

- A Japanese dish
- A Flavour
- A robot (Human Man All Mechanic) designed by the University of Hong Kong

17 What is farsighted?

- A member of the episcopal order of priests
- A new type of dentures under test in the United States
- A person who cannot see up close

18 How much is the pain threshold for hearing?

- 120 dB
- 1200 dB
- 12000 DB

19 A journey in the human body. You are in the eye of a man who is observing a pear. What can you see in the lens?

- An upside down pear
- A Pear lying on its side
- A smoothie Pear

20 What is the largest organ of the human body?

Skin