

Name of the game: fly swatter

Goal of the game: repetition of biology scientific terms

Age: 9.-11. Grade

Number of players: 2 groups with each 10 players

Time needed: 30 minutes

Needed material: two fly swatters, cards with numbers, flipchart

Questions:

How many cells does a human body consist of? 100 billion (10^{12})

How many different blood types are there? 4 (A, B, AB, 0)

How many different muscles are activated when laughing? 30

By which material is the hair colour caused? melanin

Which is the biggest organ in the human body? skin

What is the gas called, that we produce while breathing? Carbondioxid

What is the science called, that investigates the body and the functions of the organs?
Physiology

Who invented 1928 the first anti biotic, the *penicillin*? Alexander Fleming

How to play:

The answers to the questions will be written on a big flip chart. In front of the flip chart are two fly swatters, laying on a table. The students are divided into two groups. Each of the students has a number. In each group must be a student of the same number.

The teacher reads out loud a question and a number. The students with the number, run to grap the fly swatter and hit the correct answer on the flip chart. The group that has the right answer first wins and gets a point. The group with the most points wins at the end.

Questions:

How many cells does a human body consist of? 100 Mio, 100 Mrd, 100 bil.

- 100 billion (10^{12})

How many different blood types are there? 3, 4, 6

4 (A, B, AB, 0)

How many different muscles are activated when laughing? 5, 10, 30

30

By which substance is the hair colour caused? adrenalin, thrombin, melanin

Which is the biggest organ in the human body? skin , heart, liver

skin

What is the gas called, that we produce while breathing? carbondioxid, carbonmonoxid, carbonhydrat

carbondioxid

What is the science called, that investigates the body and the functions of the organs? physics, physiognomie, physiology

physiology

Who invented 1928 the first anti biotic, the *penicillin*? Alexander Fleming, Robert Koch, Sigmund Freud

Alexander Flemming

What is the desease called, that causes a slow decay of the brain? tuberculosis, diabetes, altzheimer

Altzheimer

Does the brain get bigger, smaller or does it stay the same with the age?

smaller

How many percent of the human body are water? 20%, 40%, 60%

60%

What ist the average life expectation in Europe? 69 years, 76 years, 84 years

76 years

How many muscles are needed for running? 50, 100 or 200

200

What is the protein called, of which are made hair and nails? ceratin, hämoglobin, collagen

ceratin

Which ist part of the human heart?

ventricle, vertebrate, vestibrate

ventricle

How many times do you breath when resting? 5, 15, 40 times?

15 times

Which are the smallest cells in the body? musclecells, fatcells, red blood cells

red blood cells

What is the most common chronical desease among children? Cough, asthma, sneeze

Asthma

How many hairs does one loose per day in average? 5 to 10, 50 to 100, 300 to 400

50 to 100

How many teeth does an adult have? 24, 32 or 38

32

Where is the smallest muscle of the body? in the eye, hand or ear?

Ear

What do you call people, that THINK, they are sick? hypnotiseur, hypchonder, hystericer
hypochonder

Why are turtles endangered by plastic bags? Because they eat them or because they get trapped?
Because they eat them.

Why do dolphins jump out of the water? Because they try to escape from some animal or because they try to get rid of parasites

They try to get rid of parasites.

Why are orcas also named “killer whale”? Because they have killed people before or because there was found great amount of animals in their stomachs

There was found a great amount of animals in there stomachs

Why do flying fish jump out of the water? Because they are trying to escape from other animals or because it is fun

Because they are trying to escape

Evaluation:

interesting: ★ ★ ★ ★ ★

entertaining: ★ ★ ★ ★ ★

communicative: ★

educating: ★ ★ ★ ★

funny: ★ ★ ★ ★ ★

interactive: ★ ★

supporting imagination: ★