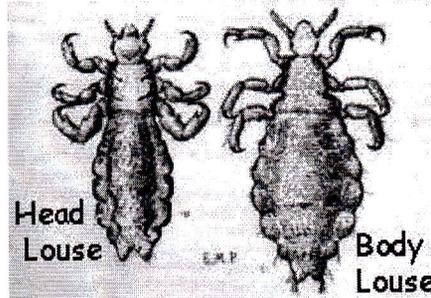


### Captain's contest for the Science Fight 4

1. A DNA analysis of body louse (*Pediculus humanus corporis*) indicated that it diverged from head louse (*P. h. capitis*) ca. 70,000 years ago. It allowed dating a major development in the human society for which no archaeological evidence existed. What development was it?



0

2. You have 100 kg of fresh mushrooms with 99% water content. The mushrooms are dried and the water content is reduced to 98%. What is the total mass of the dried mushrooms?

50 kg 1

3. Name the closest star to the Earth.

The Sun. 1

4. Name the only species of birds that have full binocular vision.

0

5. Name the physical constant that American experimental physicist Robert Andrews Millikan first measured by suspending oil droplets between two electrodes.

$$F_E = k \frac{Q_1 Q_2}{r^2}$$

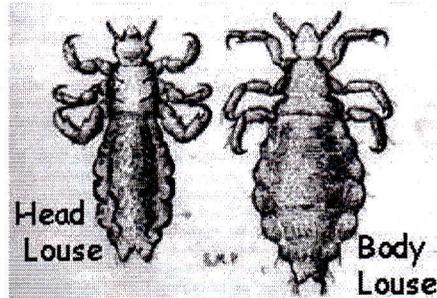
↳ This constant.

It determines the force between objects with electricity

0

## Captain's contest for the Science Fight 4 "Voronezh-2"

1. A DNA analysis of body louse (*Pediculus humanus corporis*) indicated that it diverged from head louse (*P. h. capitis*) ca. 70,000 years ago. It allowed dating a major development in the human society for which no archaeological evidence existed. What development was it?



— ○

2. You have 100 kg of fresh mushrooms with 99% water content. The mushrooms are dried and the water content is reduced to 98%. What is the total mass of the dried mushrooms?

98,9 kg ○

3. Name the closest star to the Earth.

Sun 1

4. Name the only species of birds that have full binocular vision.

hawk Bird of prey ○

5. Name the physical constant that American experimental physicist Robert Andrews Millikan first measured by suspending oil droplets between two electrodes.

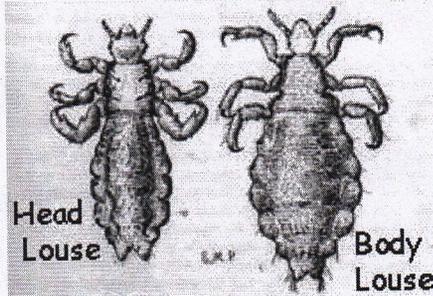
— ○

Martin Polomski, Bulgaria

1

## Captain's contest for the Science Fight 4

1. A DNA analysis of body louse (*Pediculus humanus corporis*) indicated that it diverged from head louse (*P. h. capitis*) ca. 70,000 years ago. It allowed dating a major development in the human society for which no archaeological evidence existed. What development was it?



2. You have 100 kg of fresh mushrooms with 99% water content. The mushrooms are dried and the water content is reduced to 98%. What is the total mass of the dried mushrooms?

sc

$$\frac{99}{100} \cdot 100 = 99 \text{ kg} \Rightarrow$$
$$\Rightarrow 98 \text{ kg w.} \Rightarrow 97 \text{ kg}$$

3. Name the closest star to the Earth.

The Sun

1

4. Name the only species of birds that have full binocular vision.

Parrots

Dialias

0

5. Name the physical constant that American experimental physicist Robert Andrews Millikan first measured by suspending oil droplets between two electrodes.

0