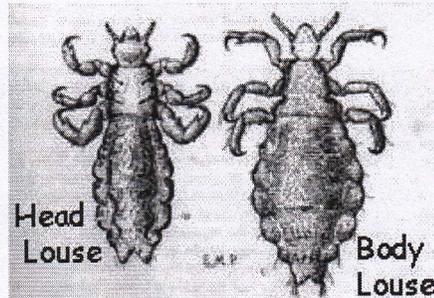


Captain's contest for the Science Fight 4

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?

1kg not water \rightarrow 1kg = 2% \rightarrow 50kg is the mass of the dried mushrooms

3. Name the closest star to the Earth.

the Sun

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

All birds

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

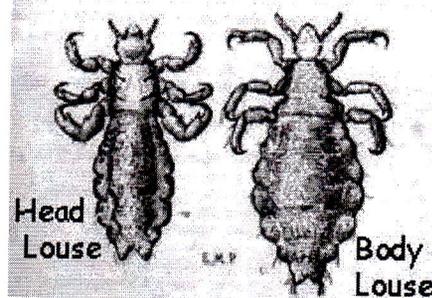
I don't really know how it will be in English, in Russian it will be "электролиз", maybe in English it will be "Electrolyse".

Belarus team,

Anton Kolb

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Q

100, 258.

$$\frac{x \cdot a}{50} = 2 \quad x = 50$$