Biology

Units of Measurement

In A level Biology you will often come across units for fractions of meters. Remember a nanometer is smaller thatn a micrometer, a micrometer is smaller than a millimetre and a millimetre is smaller than a centimetre!

1) Put these into order, starting with e smallest to the largest. Imm, 0.5nm, 0.16µm, 0.035nm, 1.32nm, 1m, 0.004nm, 1µm, 2.47µ, 1nm, 0.5µm.
2) Complete the following:
   a.There are _____ centimeters in a meter
   b.There are _____ millimetres in a meter.
   c.There are _____micrometers in a meter.
   d.There are _____micrometers in a millimetre.
   e.There are _____nanometers in a meter.
   f.There are _____nanometers in a micrometer.

3) To convert meters to cm what sum would you do?
4) To convert meters to mm what sum would you do?
5) To convert mm to cm what sum would you do?
6) To convert mm to µm what sum would you do?
7) To convert mm to nm what sum would you do?
8) To convert µm to mm what sum would you do?

9) Convert the following meters into µm (you **MUST** show your working out):
   a.0.00001m
   b.0.0023m
   c.0.0000023m

10) Convert the following meters into nm (you **MUST** show your working out):
    a.0.00001m
    b.0.00036m
    c.0.00103m

Communicable disease

This work must be your own, in language that you understand—text copied off the internet will not be accepted!

Produce a table to compare the following animal and plant diseases:

Plant—Ring rot, Tobacco mosaic, Potato blight, Black sigatoka

Animal—Tuberculosis, Bacterial meningitis, HIV/AIDS, Influenza, Malaria, Ring worm, Athlete's foot

You must include the following information: type of pathogen, plant/animal affected, symptoms, treatment.