Tasks unit 6 BM

Test your knowledge in biotechnology. Choose the correct answer.

1) The vector (DNA carrier) we used to put the glowing gene into the bacteria is called a…

a)Chromosome

b)Virus

c)Pipet

d)Plasmid

2) During a gel electrophoresis experiment, the small segment of DNA will move….

a)Backwards

b)Fast

c)Slow

d)Sideways

What tool do you use in lab to take very small samples of a liquid?

a)A beaker

b) A graduated cylinder

c)A micropipette

d)Safety glasses

In electrophoresis, where do the DNA samples go?

a)Straight up into the air

b)They move through the gel

c)Nowhere

d)Into a micropipette

What do you need to use so that you can estimate the size of the DNA bands?

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a)A micropipette

b)A meter stick

c)An electronic balance

d)A DNA standard

When doing gel electrophoresis, how do you know that your gel is running and the electricity is on?

a)You see bubbles

b)You see sparks

c)You hear a noise

d)The light flashes

What makes the DNA move during gel electrophoresis?

a)Electricity

b)Gravity

c)Water

d)Wind

All the cells in your body have the same DNA, even though they do not look the same or have the same job.

a)True

b)False

Stem sells can be found in your heart.

a)True

b)False

DNA fingerprinting can be used to identify a criminal.

a)True

b)False

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The DNA for the glowing gene came from:

a)Bacteria

b)Octopus

c)Fireflies

d)Jellyfish

e)Glow worms

A small piece of extra DNA found in bacteria is called…

a)Chromosome

b)Base pair

c)Double helix

d)Plasmid

e)Nucleus

The letter PCR stands for…

a)Pretty cool reaction

b)Polymerase chain reaction

c)Partly complete RNA

d)Partly complete reaction

e)Pure chain reaction

GEP (green fluorescent protein) makes jellyfish….

a)Reproduce

b)Glow

c)Shrink

d)Bigger

e)Sleepy

LIVEWORKSHEETS