

BIO 301 Quiz #02

Collected by Zabi Attariya 🇵🇰

Work Together Team

Question # 2 of 5 (**Start time: 12:21:33 AM, 06 July 2023**)

The process of transfer of human blood is known as?

Select the correct option

☐	Transporting
☐	Processing
☐	Transferring
☒	Transfusiom

Question # 3 of 5 (Start time: 12:22:12 AM, 06 July 2023)

When genes are on distinct chromosomes, what is the dihybrid test cross ratio?

Select the correct option

☐	3:1
☐	1:1:1:1
☐	1:2:3:1
☒	9:3:3:1

[Click](#)

Question # 1 of 5 (Start time: 12:34:55 AM, 06 July 2023)

How many alleles influence the colour of a rabbit's fur?

Select the correct option

☒	4
☐	6
☐	1
☐	2

Question # 2 of 5 (**Start time: 12:35:21 AM, 06 July 2023**)

Which of the following animals has the same XX-XY sex determination as humans?

Select the correct option

☐	Reptiles
☐	Birds
☐	Grasshoppers
☒	Drosophila

Question # 3 of 5 (Start time: 12:35:32 AM, 06 July 2023)

The sex of male bee is

Select the correct option

☐	XY
☐	Diploid
☐	Z W
☒	Haploid

Question # 4 of 5 (Start time: 12:35:41 AM, 06 July 2023)

What is the phenomena that might cause a linkage to be broken?

Select the correct option

<input data-bbox="82 919 164 1003" type="radio"/>	Linkage
<input data-bbox="82 1171 164 1255" type="radio"/>	Reconstruction
<input data-bbox="82 1423 164 1507" type="radio"/>	Breakage
<input checked="" data-bbox="82 1675 164 1759" type="radio"/>	Crossing over

Question # 1 of 5 (Start time: 12:41:49 AM, 06 July 2023)

Which of the following organism whose first genetic map was made?

Select the correct option

<input data-bbox="61 851 139 925" type="radio"/>	Rat
<input data-bbox="61 1086 139 1160" type="radio"/>	Arabidopsis
<input checked="" data-bbox="61 1321 139 1395" type="radio"/>	Drosophila
<input data-bbox="61 1556 139 1629" type="radio"/>	Fly

Question # 2 of 5 (Start time: 12:42:01 AM, 06 July 2023)

Which of the following animals has the same XX-XY sex determination as humans?

Select the correct option



Grasshoppers



Drosophila



Reptiles



Birds

Question # 3 of 5 (Start time: 12:42:21 AM, 06 July 2023)

How many alleles influence the colour of a rabbit's fur?

Select the correct option

☐	2
☐	6
☐	1
☒	4

Question # 4 of 5 (Start time: 12:42:33 AM, 06 July 2023)

Which of the following phenomena would result in linkage if it were to fail?

Select the correct option

☐

Law of dominance



Law of independent assortment



None of these



Law of segregation

Question # 5 of 5 (Start time: 12:42:47 AM, 06 July 2023)

Which of the following statements concerning most ant and bee species' sex determination system is correct?

Select the correct option

☐

Males unfertilized ova haploid and Females unfertilized ova diploid

☐

Males fertilized ova diploid and Females fertilized ova diploid

☐

Males fertilized ova haploid and Females unfertilized ova diploid

☒

Males unfertilized ova haploid and Females fertilized ova diploid

Click to Save Answer & Mark

Question # 1 of 5 (Start time: 12:44:34 AM, 06 July 2023)

When genes are on distinct chromosomes, what is the dihybrid test cross ratio?

Select the correct option



1:1:1:1



3:1



9:3:3:1



1:2:3:1

Question # 2 of 5 (**Start time: 12:44:45 AM, 06 July 2023**)

Whose experiment provides the first conclusive proof that a gene is linked to a certain chromosome

Select the correct option

☒	T.H.Morga
☐	Walther Flemming
☐	T.J.Robert
☐	Greogor Mendel

Click

BIO301 – Essentials of Genetics (Quiz 2)

Question # 3 of 5 (**Start time: 12:45:02 AM, 06 July 2023**)

The sex of male bee is

Select the correct option

☐	XY
☐	Diploid
☐	Z W
☒	Haploid

Question # 4 of 5 (Start time: 12:45:16 AM, 06 July 2023)

How many alleles influence the colour of a rabbit's fur?

Select the correct option



1



4



2



6

BIO301 – Essentials of Genetics (Quiz 2)

Question # 5 of 5 (Start time: 12:45:29 AM, 06 July 2023)

The process of transfer of human blood is known as?

Select the correct option

☐	Transporting
☒	Transfusiom
☐	Transferring
☐	Processing