

Final Exam Review

Biology? That's like the study of the
number 2 right?

Which of the following is a heterozygote?

- A BB
- B brown
- C Hh
- D hh

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This is the part of the cell where translation occurs.

- **A nucleus**
- **B endoplasmic
reticulum**
- **C vacuole**
- **D ribosome**

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A Dominant Trait does what to a recessive?

- **A masks it**
- **B kung fu chops it**
- **C nothing**
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- **A** **Thymine**
- **B** **Uracil**
- **C** **Guanine**
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- **A** **rRNA**
- **B** **pRNA**
- **C** **mRNA**
- **D** **tRNA**

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**Given the DNA template strand GCTATT
what would the mRNA strand look like?**

- **A CGATAA**
- **B GCUAUU**
- **C CGAUAA**
- **D AUCGCC**

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- **A DNA fingerprint**
- **B slides**
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- **A** eye color
- **B** male-pattern baldness
- **C** Down's Syndrome
- **D** Polydactyly

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- A Dead**
- B Carrier**
- C Holder**
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Genetic Disorders are caused by a defective what?

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- **B** **carbohydrates**
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- **C Darwin**
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- **A** **small pox**
- **B** **chicken pox**
- **C** **The common cold**
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Which of the following is a homozygote?

- **A** **b**
- **B** **brown**
- **C** **Hh**
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A male patient has the sex-linked disorder Hemophilia, what's his genotype?

■ **A** **X^hX^h**

■ **B** **hh**

■ **C** **Hh**

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When two members of the same species can no longer interbreed with each other they are _____.

- **A** **geographically isolated**
- **B** **unattractive**
- **C** **dead**
- **D** **sexually isolated**

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The bodies first line of defense is?

- **A** **white blood cells**
- **B** **ninjitsu**
- **C** **the skin**
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Which list portrays only kingdoms?

- **A** **animal, vegetable,
mineral**
- **B** **plantae, animalia,
algae**
- **C** **mammals, birds,
reptiles, and amphibians**
- **D** **archaebacteria,
Eubacteria, protista, animalia,
fungi, plantae**

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What is the probability that two heterozygotes will have a child that shows the recessive trait?

- A 100% or 4 out of 4**
- B 75% or 3 out of 4**
- C 50% or 2 out of 4**
- D 25% or 1 out of 4**

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- B stage 3**
- C death**
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- **B Darwin**
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- **A** **gene therapy**
- **B** **eugenics**
- **C** **genetic counseling**
- **D** **Franklin Delano
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Macrophages can do all of the following except?

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Organisms are classified in which language?

- **A Swahili**
- **B English**
- **C German**
- **D Latin**

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Two organisms that can interbreed and create viable offspring are _____.

- A married**
- B male and female**
- C the same species**
- D ecological races**

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- **A homologous structures**
- **B convergent evolution**
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When ecological races of the same species accumulate many differences and become separate species they are said to _____.

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An advantageous heritable characteristic is a(n) _____.

- **A natural selection**
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- **C adaptation**
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Organisms that eat both producers and consumers are?

- **A** **sick**
- **B** **carnivores**
- **C** **herbivores**
- **D** **omnivores**

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Cross 2 heterozygotes and you get a phenotype ratio of

■ **A** **1:2:1**

■ **B** **25%**

■ **C** **3:1**

■ **D** **75%**

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The probability of getting a recessive disorder from a cross between AA and Aa

- **A** **2:2**
- **B** **50%**
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Two organisms that eat the same food are considered to be in what?

- **A competition**
- **B trouble**
- **C evolution**
- **D darwinism**

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The gradual replacement of plant species in an ecosystem is.

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YOU HAVE A TAIL! Or at least had one shortly after conception, this is a what?

- **A analogous structure**
- **B homologous structure**
- **C disturbing**
- **D vestigial structure**

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Bones, tracks, imprints, preserved poo are all examples of what?

- **A fossils**
- **B lunch**
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The theory of evolutionary rate that is slow and gradual is?

- **A Darwinism**
- **B punctuated equilibrium**
- **C gradualism**
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Where an organism lives, what it eats, when it mates, what climate is like are all part of its what?

- **A habitat**
- **B ecosystem**
- **C niche**
- **D community**

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We live in a _____ biome.

- A human**
- B carnivorous forest**
- C deciduous forest**
- D temperate grassland**

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- **B commensalism**
- **C mutualism**
- **D bipartisan**

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