

شكراً لتحميلك هذا الملف من موقع المناهج الإماراتية



حل أوراق عمل درس Inheritance الوراثة

موقع المناهج ← المناهج الإماراتية ← الصف السادس ← علوم ← الفصل الثالث ← الملف

تاريخ إضافة الملف على موقع المناهج: 2024-04-30 14:03:14

التواصل الاجتماعي بحسب الصف السادس



اضغط هنا للحصول على جميع روابط "الصف السادس"

روابط مواد الصف السادس على تلغرام

[الرياضيات](#)

[اللغة الانجليزية](#)

[اللغة العربية](#)

[التربية الاسلامية](#)

المزيد من الملفات بحسب الصف السادس والمادة علوم في الفصل الثالث

[أوراق عمل درس Inheritance الوراثة](#)

1

[ملخص درس نظام الشمس والأرض والقمر](#)

2

[ورقة عمل درس نظام الشمس والأرض والقمر](#)

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[ملخص دروس الكتاب الأول منهج انسابير](#)

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[حل أسئلة الامتحان النهائي الالكتروني بريدج](#)

5

Answer Key with Questions

Lesson Check: Inheritance

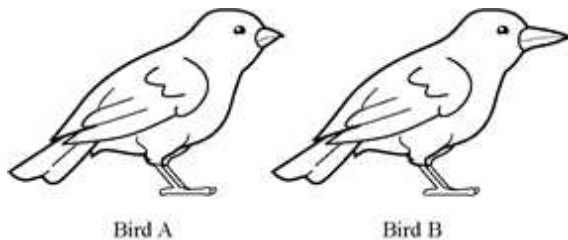
1) Which of the following is NOT an example of a trait?

- A) eye color
- B) ear shape
- C) species
- D) body height

Correct Answer

C) species

2) Bird A has the genotype ll for bill length, and Bird B is LL . The bills of their offspring would be:



- A) long in 100% of the offspring.
- B) short in 100% of the offspring.
- C) long in 50% of the offspring.
- D) short in 75% of the offspring.

Correct Answer

A) long in 100% of the offspring.

Answer Key with Questions

Lesson Check: Inheritance

3) A child looks more like one parent than the other because a child only inherits chromosomes from one parent.

- True
- False

Correct Answer

False

4) The study of _____ is called genetics.

- A) heredity
- B) dominance
- C) pea plants
- D) mutations

Correct Answer

A) heredity

5) Passing of traits from parents to offspring is _____.

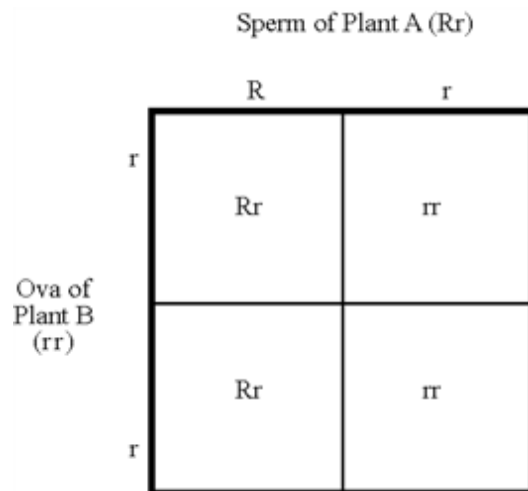
Correct Answer

heredity

Answer Key with Questions

Lesson Check: Inheritance

- 6) A florist has one kind of plant that usually has red flowers (the dominant trait), but sometimes has white flowers (the recessive trait). If she crosses plants A and B as shown here, 50% of the offspring will have red flowers.



- True
- False

Correct Answer

True

Answer Key with Questions

Lesson Check: Inheritance

- 7) A heterozygous orange-flowered plant is crossed with a homozygous purple-flowered plant. If orange is a dominant allele and purple is recessive, what color ratio will the flowers of the offspring plants have?

		Orange Flower	
		O	o
Purple Flower	o	Oo	oo
	o	Oo	oo

- A) 1 purple: 3 orange
- B) 4 purple: 0 orange
- C) 2 purple: 2 orange
- D) 0 purple: 4 orange

Correct Answer

- C) 2 purple: 2 orange

Answer Key with Questions

Lesson Check: Inheritance

8) What model can be used to show traits and help determine genotypes of genetically related family members over several generations?

- A)** Punnett square
- B)** pedigree
- C)** ratio
- D)** phenotype

Correct Answer

B) pedigree

Answer Key with Questions

Lesson Check: Inheritance

9) A scientist crossed two fruit flies in a lab. She was studying the transmission of the alleles that affect wing shape. The dominant allele, C , is the allele for curly wings, and the recessive allele, c , is the allele for straight wings. She knew that one of the parent flies was heterozygous and had curly wings (Cc). Half of the offspring from the cross had curly wings, and the other half had straight wings. Identify the genotype and phenotype of the second parent fly. State the evidence that supports your response.

Correct Answer

Answers may vary.

Explanation

The second parent fly has the genotype (cc) and straight wings. The evidence that supports this is that half of the offspring had straight wings. For that to happen, half of the offspring had to receive a recessive allele from both parents. When one of the parents is heterozygous, the other parent must be homozygous recessive for this to occur.

Extended-Response Rubric

	Level of Understanding	Evidence of Understanding
3	Demonstrating Expected Understanding	<p>Student response provides clear evidence of using the dimensions* to make sense of scientific phenomena and/or to design solutions to problems. Student is able to:</p> <ul style="list-style-type: none"> ▪ Identifies that the second parent fruit fly's genotype is <i>cc</i> and its phenotype is straight wings; <p>AND</p> <ul style="list-style-type: none"> ▪ States evidence to support their response
2	Progressing toward Understanding	<p>Student response provides partial evidence of using the dimensions* to make sense of scientific phenomena and/or to design solutions to problems. The response lacks some critical information and details or contains some errors. Student is able to:</p> <ul style="list-style-type: none"> ▪ Identifies that the second parent fruit fly's genotype is <i>cc</i> and its phenotype is straight wings; ▪ BUT does not include evidence to support their response; <p>OR</p> <ul style="list-style-type: none"> ▪ Correctly identifies either the genotype or phenotype and includes an explanation BUT one or the other is incorrect
1	Beginning to Develop Understanding	<p>Student response is incomplete or provides minimal evidence of using the dimensions* to make sense of scientific phenomena and/or to design solutions to problems.</p>
0	Not Showing Understanding	<p>Student does not respond or student response is inaccurate, irrelevant, or contains insufficient evidence of using the dimensions* to make sense of scientific phenomena and/or to design solutions to problems.</p>
<p><i>* As outlined in the Performance Expectations (PE) of the NGSS, the three dimensions are the disciplinary core ideas (DCI), science and engineering practices (SEP), and crosscutting concepts (CCC). Note that due to the complexity of the PEs, individual assessment items may not address all three dimensions.</i></p>		

Scoring Notes:

Possible answers include:

The second parent fly has the genotype (*cc*) and straight wings. The evidence that supports this is that half of the offspring had straight wings. For that to happen, half of the offspring had to receive a recessive allele from both parents. When one of the parents is heterozygous, the other parent must be homozygous recessive for this to occur.