

Project BioEYES Intermediate Level Pre-Evaluation

Student Number

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Please follow the directions on the survey. Fill in the entire circle that corresponds to your answer and erase marks completely to make a change. You may use pen or pencil.

Answer Selection: Correct = ☐ Incorrect = ☒ ☒ ☒

Teacher _____

Section _____

Gender

Male ☐

Female ☐

0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

1. Where do you get your genes from?

- (A) Teachers
- (B) Parents
- (C) Technology
- (D) Doctors

2. When you state a guess that might answer a specific question during Scientific Inquiry it is called the:

- (A) Hypothesis
- (B) Conclusion
- (C) Research question
- (D) Observation

3. An organism that inherits two copies of the same allele is considered:

- (A) A Mutant
- (B) Heterozygous
- (C) Regular
- (D) Homozygous

4. In genetics, the outward, physical appearance of your genes is called the:

- (A) Genotype
- (B) Genome
- (C) Alleles
- (D) Phenotype

5. To determine the probability of inheriting traits, you should create a:

- (A) Genetic Equation
- (B) Family Tree
- (C) Genotype
- (D) Punnett Square

6. Which of these answers shows the inheritance of a recessive trait with two heterozygous parents?

(A)

	A	A
A	AA	AA
a	Aa	Aa

(B)

	A	a
A	AA	Aa
a	Aa	aa

(C)

	a	a
a	aa	aa
a	aa	aa

(D)

	Ab	Ab
Ab	AAbb	AAbb
Ab	AAbb	AAbb

Fill in the best answer (true or false)

7. Stem cells have the potential to become many different kinds of cells.

(T) (F)

8. Genetic mutations are almost always harmful.

(T) (F)

9. Model organisms can help scientists learn about human genes, diseases, and cures.

(T) (F)



Please turn over and answer questions on the back



Please read each statement carefully and fill in the number that indicates how much you AGREE or DISAGREE with that statement. Please fill in ONLY ONE number for each statement.

	Strongly Disagree	Disagree	Neither	Agree	Strongly Agree
Science is interesting	①	②	③	④	⑤
Science is necessary to help us understand the world around us	①	②	③	④	⑤
Men are better at science than women	①	②	③	④	⑤
I know what it's like to be a scientist.	①	②	③	④	⑤
Everyone should know a little bit about science	①	②	③	④	⑤
Scientific discoveries have an impact on our health	①	②	③	④	⑤
I would be interested in learning about different types of careers in science	①	②	③	④	⑤
Ordinary people can be scientists	①	②	③	④	⑤
Science is becoming more popular than it used to be	①	②	③	④	⑤
Scientific research is important	①	②	③	④	⑤
I can imagine myself as a scientist	①	②	③	④	⑤
I would like to do another experiment like this one	①	②	③	④	⑤

Do Not Mark

