

TEST NAME: **Delk Study Set Genetics**  
TEST ID: **1656175**  
GRADE: **05 - Fifth Grade**  
SUBJECT: **Life and Physical Sciences**  
TEST CATEGORY: **My Classroom**

Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. Which characteristic would a child **not** inherit from one or both of its parents?
  - A. freckles
  - B. hair style
  - C. eye color
  - D. dimples
  
2. A litter of kittens have traits that are similar to both the mother cat and the father cat. Which **best** explains this situation?
  - A. The kittens are provided the same kind of milk from their mother as they grow.
  - B. The kittens inherit some of their traits from their mother and some from their father.
  - C. The kittens are kept at the same temperatures by their mother when they are first born.
  - D. The kittens are taught by their parents to have similar traits.
  
3. Why do dogs have **most** of the characteristics of their parents?
  - A. They inherit them from their parents.
  - B. They live in the same habitats as their parents.
  - C. They learn them by observing their parents.
  - D. They eat the same foods as their parents.
  
4. Both of Cindy's parents have naturally brown hair. Which **best** explains why Cindy has red hair?
  - A. Cindy's cousin has red hair.
  - B. Cindy's grandmother has red hair.
  - C. Cindy's best friend at school has red hair.

5. Patricia has curly brown hair, brown eyes and fair skin. According to the information in the chart below, who is **most likely** her mother?

	Hair	Eye	Skin tone
Lily	blonde, straight	blue	fair
Janet	blonde, straight	brown	dark
Victoria	brown, curly	brown	fair

- A. Lily
- B. Janet
- C. Victoria
6. Emily has brown hair. Which is **most likely** a true statement about Emily?
- A. Emily's favorite color is brown.
- B. Emily has a parent with brown hair.
- C. Emily's older brother has brown hair.
7. Below is a list of characteristics used to describe Tom and his dad.

Tom	Dad
tall	tall
right-handed	right-handed
long eyelashes	short eyelashes

Which **most likely** explains why they are different?

- A. Tom does not want to be just like his dad.
- B. Tom inherited his eyelashes from his mother.
- C. Tom and his dad both learned to write with their right hand.
8. Jonathan observes two birds on the beach. One bird has a long, narrow beak while the other bird has a short, thick beak. Which **best** explains why the two birds have different types of beaks?
- A. The birds have the same parents.
- B. The birds live in different environments.
- C. The birds are members of different species.

9. Steve's class is visiting the zoo. He observes that the stripe patterns of two zebras are very different. Which **most likely** explains why the zebras have different stripe patterns?
- A. The zebras eat different types of grass.
  - B. The zebras are active at different times in the day.
  - C. The zebras react to their habitat at the zoo in different ways.
  - D. The zebras are expressing the trait for stripe pattern in different ways.
10. Rachel is a fifth grader with naturally brown hair. Rachel's mother has naturally blonde hair. Which **best** explains why Rachel has a different hair color than her mother?
- A. Rachel dislikes her mother's hair color.
  - B. Rachel did not inherit any of her characteristics from her mother.
  - C. Rachel inherited the characteristic from her sister, who also has brown hair.
  - D. Rachel inherited characteristics from both parents; some from her mother, and some from her father, who has brown hair.
11. Which **best** explains why offspring usually look like their parents?
- A. Parents choose appropriate characteristics for their offspring.
  - B. Offspring receive characteristics that have been passed down from their parents.
  - C. Parents change the appearance of the offspring until they more closely resemble them.
  - D. Offspring adapt to their surroundings, causing them to develop characteristics similar to their parents.
12. Matt is a tall, eleven-year-old boy. He has a scar on his right cheek. He is intelligent and an excellent drummer. Which of his traits did he **most likely** inherit?
- A. his height
  - B. his scar on his right cheek
  - C. his intelligence
  - D. his ability to play the drums

13. Which characteristic would a child **not** inherit from one or both of its parents?
- A. freckles
  - B. hair style
  - C. eye color
  - D. dimples
14. Which is a characteristic of a dog that is **most likely** a result of its environment?
- A. its color
  - B. its length of ears
  - C. its food preference
  - D. its ability to see in the dark
15. Joe and his family all have brown eyes, brown hair, and love chocolate. Which is an example of a learned characteristic?
- A. brown hair
  - B. brown eyes
  - C. love of chocolate
16. Which **best** explains why a child may look like his father but is not able to play basketball as well as him?
- A. Physical characteristics are inherited, but the ability to shoot a basketball is not.
  - B. The ability to shoot a basketball is inherited, but physical characteristics are not.
  - C. The child chooses to look like his father, but he does not choose to play basketball.

17. Bob's mom and dad played basketball. Both his parents are tall and can dribble well. Bob's dad dribbles with his left hand. Bob wants to play basketball like his parents. What inherited trait does Bob have?
- A. Bob is tall.
  - B. Bob is left handed.
  - C. Bob can dribble well.
18. Katie has blue eyes. If Katie's mom has green eyes, what is **most likely** true about the color of Katie's dad's eyes?
- A. Her dad has blue eyes.
  - B. Her dad has green eyes.
  - C. Her dad has brown eyes.
19. Which would a kitten **most likely** inherit from its parents?
- A. fat belly
  - B. fast speed
  - C. sharp teeth
20. One of John's friends told him that he had eyes like his father's eyes. Another friend told John that he had a nose like his mother's nose. Why might John have these features?
- A. John inherited his characteristics from his father.
  - B. John inherited his characteristics from his mother.
  - C. John inherited his characteristics from both parents.
21. Which is a learned characteristic expressed by a professional swimmer?
- A. swimming speed
  - B. wide arm stroke
  - C. long body build
  - D. good eyesight

22. Mark is asked to write a brief description of himself for the school paper. Which characteristic mentioned in his description has Mark **most likely** inherited from his parents?
- A. height
  - B. favorite food
  - C. interest in sports
  - D. ability to speak a foreign language