

**Science Studies Weekly—Challenger (Grade 5)**  
**Teacher Resource Book**

**Name:** \_\_\_\_\_  
**Science Studies Weekly: Challenger (5<sup>th</sup> Grade)**

**Date:** \_\_\_\_\_  
**Week 21, 3rd Quarter**

Read each question and the answer choices. Fill in the circle that goes with the correct answer.

- 1 What can scientists study to determine how a plant or animal species has changed over long periods of time?
  - Ⓐ plant and animal cells
  - Ⓑ fossil records
  - Ⓒ experiments
  - Ⓓ microbes
  
- 2 Which of the following can scientists not prove about ancient horses?
  - Ⓕ They had smaller brains.
  - Ⓖ They were much stronger.
  - Ⓗ They had toes instead of hooves.
  - Ⓙ They were much smaller.
  
- 3 In the movie "Jurassic Park," scientists created dinosaurs out of dinosaur DNA that they found in what prehistoric animal?
  - Ⓐ elephants
  - Ⓑ birds
  - Ⓒ lizards
  - Ⓓ mosquitoes

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- 4 Biston Betularia moths in England are an example of
- Ⓐ hybrids
  - Ⓑ genomes
  - Ⓗ survival of the fittest
  - Ⓙ clones
- 5 What caused the white birch trees to turn black and camouflage the black moths?
- Ⓐ genetics
  - Ⓑ paint
  - Ⓒ pollution
  - Ⓓ survival of the fittest
- 6 How are human chromosomes that contain the DNA for physical traits inherited?
- Ⓐ mostly from the father
  - Ⓑ mostly from the mother
  - Ⓗ mostly from the great grandparents
  - Ⓙ equally from the mother and the father
- 7 Which of the following is not an inherited trait?
- Ⓐ having good study skills
  - Ⓑ curly or straight hair
  - Ⓒ being left or right handed
  - Ⓓ eye color

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- 8 Which species was Dolly, the first animal ever cloned?
- Ⓐ sheep
  - Ⓑ pig
  - Ⓗ rabbit
  - Ⓙ mouse
- 9 A woodpecker's long, skinny beak helps it survive in which environment?
- Ⓐ desert
  - Ⓑ tundra
  - Ⓒ grassland
  - Ⓓ forest
- 10 What did Gregor Mendel, a monk who discovered the laws of heredity, use for his experiments?
- Ⓐ sheep
  - Ⓑ mice
  - Ⓗ pea plants
  - Ⓙ mules

**Restate and answer the following questions using your weekly, then do the crossword puzzle on page 4.**

11. What is genetics?

12. How many chromosomes do we have?

13. How are a flamingo's pink feathers a factor of the environment?

14. What is a hybrid?

15. What important discovery about genetics did Gregor Mendel make?