

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

Name: _____
Science Studies Weekly: Challenger (5th 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?