

2023–2024 Gr3 Science Benchmark #2

Question 1.

What is a life cycle?

- A. The amount of time it takes for a tree to grow a flower.
- B. The way a baby chicken hatches out of an egg.
- C. All the changes that happen during a plant or animal's life.
- D. When pollen is moved from one flower to another.

Question 2.

What is true about an egg?

- A. It is the first stage in many animals' life cycles.
- B. It protects the growing animal.
- C. It feeds the growing animal.
- D. All of the above.

Question 3.

What is true about a seed?

- A. It can be found in fruit.
- B. It sends roots up in the air.
- C. It gives the plant water.
- D. All of the above.

Question 4.

What is an inherited trait?

- A. What an animal learns from its mother.
- B. When a plant gets eaten by an animal.
- C. A trait passed from parents to offspring.
- D. When an organism changes another organism.

Question 5.

All animals in a species look exactly the same.

- A. True
- B. False

Question 6.

Acquired traits are traits that an animal learned from its environment.

- A. True
- B. False

Question 7.

Which of these is an example of an acquired trait?

- A. A spider knows how to spin a web.
- B. A butterfly's wing is damaged by a bird.
- C. A tree has brown bark, green leaves, and pink flowers.
- D. A bee finds that orange flowers have the most nectar.

Question 8.

What is natural selection?

- A. When a species is better able to live and reproduce because of its traits.
- B. A way to describe part of an organism's body or its behavior.
- C. Colors and patterns on fur and skin to help an animal hide.
- D. Shapes and colors that mimic another plant or animal.

Question 9.

What is an adaptation?

- A. A group of similar organisms that can reproduce.
- B. Moving from one place to another.
- C. A trait or behavior that helps an organism survive and reproduce.
- D. Sleeping for many months.

Question 10.

Two plants are grown in your classroom. Plant 1 receives light and water while Plant 2 only receives water (it is grown in the dark). Which of the following will be true about the plants?

- A. Plant 2 will be taller than Plant 1
- B. Plant 1 will be taller than Plant 2
- C. Both Plants will be about the same size.

Question 11.

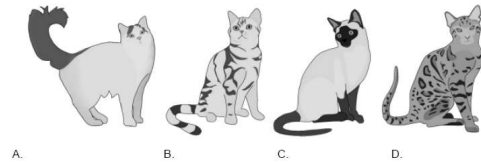
What of the following is an advantage that helps a skunk survive?



- A. Its black and white coloring helps it hide in the woods.
- B. Its short legs help it run fast.
- C. Its pointy nose helps it find food.
- D. It can deter predators by spraying a bad smelling substance.

Question 12.

Imagine you are a cat breeder who wants kittens. Choose two cats to be parents then answer the questions.



- a. Which two cats did you choose?

Choice 1: _____

Choice 2: _____

- b. Describe the traits the kittens might have. What would their tail and body look like? What would their ears and face look like?

c. Why did you choose your answers? Explain your reasoning.

Question 13.

The rocket pocket mouse comes in two colors. The interesting phenomenon is that light colored mice live on light colored rocks and dark colored mice live on dark colored rocks.

What advantage could this pattern give a rocket pocket mouse? Give at least two advantages.