

Name: _____

Content Check

Read and answer the questions below.

1. Allie wants to grow a type of sunflower in her garden that can grow to be over 10 feet tall! She plants her sunflowers in a shady part of her yard because she doesn't know they need a lot of sun to grow. Explain to Allie in 2-3 sentences why her sunflowers aren't going to grow to be 10 feet tall. Include the phrase "environmental factors" in your explanation.

2. Explain how genetic factors can affect the growth of an animal.

3. You and your friend both get a new pet fish at the store! When you get home, you put your fish in a small tank while your friend puts their fish in a larger tank. You notice that your friend's fish grows larger than yours. Do you think this is a result of genetic factors, environmental factors, or a combination of both?

Content Check

Teacher Key

1. Allie wants to grow a type of sunflower in her garden that can grow to be over 10 feet tall! She plants her sunflowers in a shady part of her yard because she doesn't know they need a lot of sun to grow. Explain to Allie in 2-3 sentences why her sunflowers aren't going to grow to be 10 feet tall. Include the phrase "environmental factors" in your explanation.

The sunflower's growth is being limited by the lack of sun, which is an environmental factor. The sunflowers in Allie's yard need a lot of sun to grow and they aren't getting enough in the shady area.

2. Explain how genetic factors can affect the growth of an animal.

An animal can have genes in their DNA that determine if an animal will grow to be big or small.

3. You and your friend both get a new pet fish at the store! When you get home, you put your fish in a small tank while your friend puts their fish in a larger tank. You notice that your friend's fish grows larger than yours. Do you think this is a result of genetic factors, environmental factors, or a combination of both?

This can be a result of both genetic factors and environmental factors. The fish in the smaller tank might not have enough room to grow. Also, the two fish have different genes. One fish may have genes to grow bigger than the other.