Year 4 Science: Flowers, fruits and seeds, and how seeds travel

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. Which usually has more young at a time: a mouse or a kiwi?

2. How can you grow a new potato plant without a seed?

3. What is it called when pollen moves from an anther to a stigma?

4. Which part of a flower grows into the fruit?

5. A seed is covered in tiny hooks. How is it spread?

6. What does a seed need first, to germinate?

Fix the mistake

7. Correct this statement: "Pollination and fertilisation are the same thing."

8. Correct this statement: "Fruits are only sweet things like apples and oranges."

9. Correct this statement: "A seed needs soil to start growing."

Answer key (for parents and tutors)

1. Which usually has more young at a time: a mouse or a kiwi?
   A mouse.
2. How can you grow a new potato plant without a seed?
   Plant a piece of potato that has an eye.
3. What is it called when pollen moves from an anther to a stigma?
   Pollination.
4. Which part of a flower grows into the fruit?
   The ovary.
5. A seed is covered in tiny hooks. How is it spread?
   By catching on animals' fur or feathers.
6. What does a seed need first, to germinate?
   Water.
7. Correct this statement: "Pollination and fertilisation are the same thing."
   Pollination moves pollen to the stigma; fertilisation happens after, when pollen joins an egg cell in the ovary.
8. Correct this statement: "Fruits are only sweet things like apples and oranges."
   Any part grown from a flower that holds seeds is a fruit, so tomatoes and pumpkins count.
9. Correct this statement: "A seed needs soil to start growing."
   A seed needs water to germinate; its stored food feeds it at first, so it can sprout on a wet paper towel.