



## I. Apples and oranges

Apples and oranges have some common traits. Both are fruits that grow on trees. Both can be sweet or a little sour. Both have seeds.

But apples and oranges have many different traits. Apples are red, green, or yellow. But oranges are always orange. Also, apples can grow in cold weather, while oranges need warm weather to grow.

A. Fill in this chart. Write **yes** or **no** if the fruit has the trait.

	Apple 	Orange 
Grows on trees		
Comes in many colors		
Grows in cold weather		
Has seeds		

B. Tell one more way that apples and oranges are alike and one more way that they are different.

Alike: \_\_\_\_\_

Different: \_\_\_\_\_

## II. Citrus and trait

Oranges are part of the **citrus** family. They are related to limes, lemons, and grapefruits. Fruit from an orange tree can mix with fruit from a grapefruit tree. The new fruit is a cross between an orange and a grapefruit. It is called an orangelo!

Orange	Grapefruit	Orangelo
orange skin	yellow skin	yellow skin
easy to pull apart	hard to pull apart	easy to pull apart
sweet	sour	sweet

### Vocabulary

**citrus**  
fruits with thick  
rinds that are  
sweet or sour

A. Look at the chart. Answer the questions.

1. What is one trait an orangelo shares with an orange?

\_\_\_\_\_

2. What is one trait an orangelo shares with a grapefruit?

\_\_\_\_\_

B. Complete the sentences. Use the words in the box.

1. An orange is a \_\_\_\_\_ fruit.
2. One \_\_\_\_\_ of oranges is thick skin.
3. Fruits from different \_\_\_\_\_ trees can mix.

**citrus**  
**trait**

### III. Species

Just as a wolf and a fox are not related, an orange tree and an apple tree are not related. The two fruits are different **species**. This means that fruit from an orange tree cannot grow on an apple tree.

#### Vocabulary

##### species

*a group of living things that have many traits in common*

A. Complete the sentences. Circle the correct answer.

1. Oranges and apples are different \_\_\_\_.

citrus      varieties      species

2. Different species do NOT have many of the same \_\_\_\_.

traits      fruits      animals

B. Look at the pictures. Use the words from the box to fill in the blanks.

varieties

species



1. These are different \_\_\_\_\_ of apples.



2. These are different \_\_\_\_\_ of fruit.

#### IV. Revision

A. Complete each sentence. Use the words in the box.

citrus    species    varieties

1. A red apple and a green apple are the same \_\_\_\_\_.
2. Lemons and limes are \_\_\_\_\_ fruits.
3. Fruit from a \_\_\_\_\_ tree cannot grow on an apple tree.
4. Sweet and sour apples are different \_\_\_\_\_ of apples.

B. Write one trait that an apple and an orange share.  
Then, for each fruit, write one trait that is NOT shared.

