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: _____

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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!

Vocabulary

citrus
fruits with thick rinds that are sweet or sour

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

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.

citrus

trait

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

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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.

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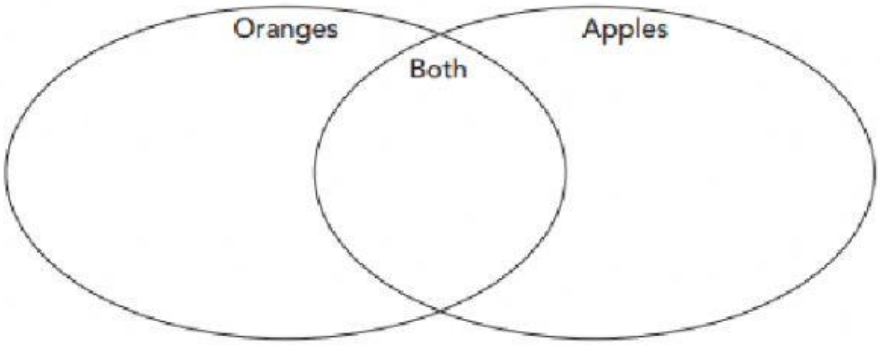
IV. Revision

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.



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